TA-AV490

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model

SPECIFICATIONS

US MODEL

AUDIO POWER SPECIFICATIONS
POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8 ohm loads both channels driven, from 20 — 20,000 Hz; rated 125 watts per channel minimum RMS power, with no more than 0.9% total harmonic distortion from 250 milliwatts to rated output.

Other specifications

Amplifier section

Power bandwidth (IHF)
7 Hz – 30 kHz (8 ohms)

Harmonic distortion
Less than 0.9% (at 1 kHz, 8 ohms load, Front **125W + 125W (US, Canadian, E model) or 75W + 75W (AEP, UK, West Germany model), surround OFF)**

Intermodulation (IM) distortion (60 Hz : 7 kHz)
Less than 0.9% at rated output

Frequency response
PHONO: RIAA equalization curve
TUNER, CD, GRAPHIC EQ, TAPE, VIDEO 1, 2, 3, 4: 10 Hz to 70 kHz, ±3 dB

Residual noise — Less than 25 μV (8 ohms, network A)

Damping factor — 40 (8 ohms, 1 kHz)

Video section

Video input/output

Permissible signal input level
1.5 Vp-p

Output signal level
1 + 0.1 Vp-p/with 1 Vp-p input
(measured at MONITOR OUT)

Impedance (output)
75-ohm unbalanced, negative sync

Input

Input jack		Jack type	Sensitivity	Impedance
PHONO	MM	Phono	2.0 mV	50 kohms
TUNER CD VIDEO 1, 2, 3, 4 (CDV) TAPE		Phono	150 mV	50 kohms

'78 IHF

Output

REC OUT	Phono jacks	Voltage 150 mV Impedance 470 ohms
SPEAKERS	——	Accepts speakers of 8 – 16 ohms.
HEADPHONES	Stereo phone jack	Accepts low and high impedance headphones.
VIDEO 1, 2, MONITOR	S jack	1 Vp-p, 75 ohms

Tone controls

	Response
BASS	±8.5 dB (100 Hz)
TREBLE	±10 dB (10 kHz)

—Continued on page 2—

MICROFILM

INTEGRATED STEREO AV AMPLIFIER

SONY®

General

System

Power amplifier — All-stage direct-coupled pure complementary SEPP OCL circuit

Surround amplifier — Semi complementary SEPP circuit

Preamplifier — NF type tone control

Surround circuit — Digital Delay Surround circuit
Operation circuit matrix type

Overall output — US, Canadian, E model:
Front 125W + 125W,
Surround 40W (20W + 20W)
AEP, UK, West Germany model:
Front 75W + 75W
Surround 25W (12.5W + 12.5W)

Dolby input sensitivity — 500 mV

Peak music power output (E model) — 420W

Power requirements
US, Canadian model:
120V AC, 60Hz
AEP, West Germany model:
220V AC, 50/60Hz
UK model:
240V AC, 50/60Hz
E model:
120, 220 or 240V AC adjustable,
50/60 Hz

Power consumption
US model: 230W
Canadian model: 500VA
AEP, West Germany model: 170W
UK model: 400W
E model: 250W

AC Power outlet — US, Canadian, AEP, West Germany, E model:
3 switched outputs for system, 100 watts max.
UK model:
1 switched output for system, 100 watts max.

Dimensions — US, Canadian, UK, E model:
430 × 130 × 355 (W/H/D)mm
(17 × 5 1/8 × 14 inches)
AEP, West Germany model:
430 × 130 × 360 (W/H/D)mm
(17 × 5 1/8 × 14 1/4 inches)

Weight — US, Canadian model:
Approx. 10kg (22lb 1oz)
AEP, UK, West Germany model:
Approx. 8.7kg (19lb 2oz)
E model:
Approx. 10.1kg (22lb 3oz)

Accessories supplied
Programmable remote commander RM-P202 (1)
Sony SUM-3(NS) batteries (2)

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

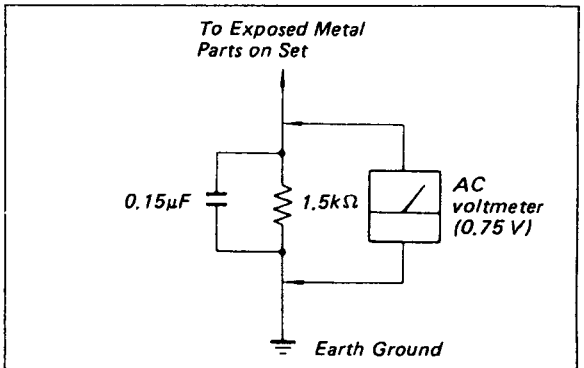
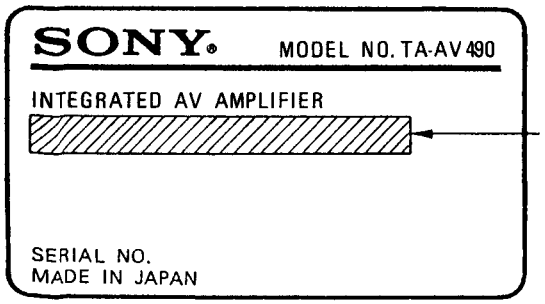


Fig. A. Using an AC voltmeter to check AC leakage.

MODEL IDENTIFICATION

—Specification Label—



US model:	AC 120V 60Hz 230W
Canadian model:	AC 120V 60Hz 500VA
AEP, West Germany model:	AC 220V ~ 50/60Hz
UK model:	AC 240V ~ 50/60Hz
E model:	AC 120/220/240V ~ 50/60Hz 250W

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SAFETY-RELATED COMPONENT WARNING!!

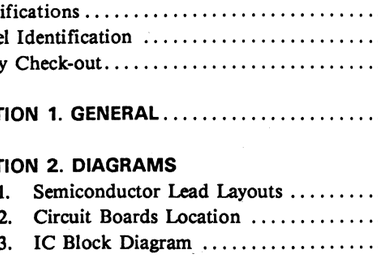
COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1
GENERAL

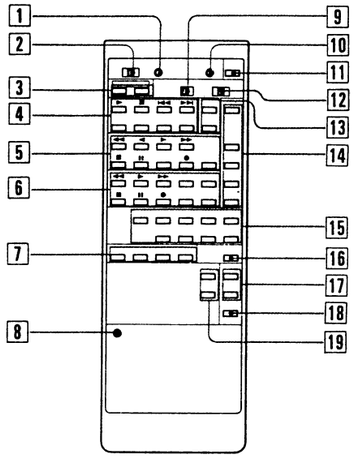
PART IDENTIFICATION



1 **SYSTEM POWER switch**
2 **BASS control**
3 **TREBLE control**
4 **BALANCE control**
5 **SURROUND LEVEL control**
6 **SURROUND MODE switches**
7 **DBFB (Dynamic Bass Feed Back) switch and indicator (for US, Canadian, E model)**
7 **MUTING switch and indicator (for AEP, UK, West Germany model)**
8 **VOLUME control**
9 **SPEAKERS A, B selectors**
10 **HEADPHONES jack (stereo phone jack)**
11 **Remote control sensor**
12 **FUNCTION selectors and indicators**
13 **VIDEO 4 INPUT jacks (phono jacks)**

Parts Identification of the remote commander

The Programmable Remote Commander is capable of "learning" the functions of other remote commanders.



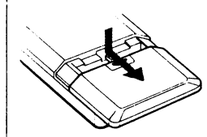
RM-P202 has the following functions.

1 **LEARN indicator**
2 **Mode selector**
SONY STD: To control equipment manufactured by SONY.
USER STD: To control equipment whose signals you have programmed.
LEARN: To program the signals of other infrared remote commanders in the programmable area.
3 **TV and VTR POWER button**
TV: Turns on/off the TV.
VTR: Turns on/off the VCR.
4 **CD player control buttons**
▶: Starts play.
■: Stops play.
⏮/⏭: AMS (Automatic Music Sensor)
PGM: Program play
SHUFFLE: Shuffle play
CONTINUE: Continuous play
DISC SKIP: Disc skip (for a CD player equipped with 5 disc trays)
5 **TAPE (cassette deck) control buttons**
◀◀: Reverse fast winding
◀: Reverse play
▶: Forward play
▶▶: Forward fast winding
■: Stop
❚❚: Pause
REC ●: Recording (While you press REC ●, press REV for reverse recording and FWD for forward recording.)
6 **VTR control buttons**
◀◀: Rewind
▶: Play
▶▶: Fast forward
■: Stop
❚❚: Pause
● REC: Recording buttons (Press both buttons for recording.)
ANT TV/VTR: Selects the output signal from the antenna terminal from the VCR, either TV or VCR.
CH +/–: Channel select buttons
7 **SURROUND mode buttons**
OFF: Turns off the surround mode.
DOLBY: Selects Dolby surround.
HALL: Selects hall surround.
SIMULATED: Selects simulated surround.
8 **RESET button**
Press this button and start again if the equipment works incorrectly.
9 **DECK A/B selector**
Selects deck A or B.
10 **PROGRAM CLEAR button**
11 **POWER button**
Turns on/off Amplifier
12 **VTR selector**
1: Betamax VCR
2: 8 mm VCR
3: VHS VCR
13 **PHONO (turntable) control buttons**
START: Starts record play.
STOP: Stops record play.
14 **TV control buttons**
TV/VIDEO: Selects the input signal to the TV set, either a TV signal or VCR programs.
VOL (volume) +/– buttons
CH (channel) +/– buttons
15 **FUNCTION selectors**
(Note: DAT button does not function for the TA-AV490.)
16 **DBFB (Dynamic Bass Feed Back) button**
(Note: This button does not function for AEP, UK, West Germany model of TA-AV490.)
17 **VOL (volume) +/– buttons**
18 **MUTING button**
(Note: This button does not function for US, Canadian, E model of TA-AV490.)
19 **TUNER PRESET buttons**
PRESET +/–: Selects higher/lower preset channel number.

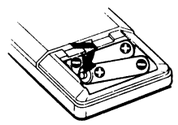
Note on remote commander
Avoid subjecting the remote sensor to direct sunlight or strong illumination. Otherwise, the remote-control operation could be impossible.

Installing Batteries

1



2 Two size "AA" (R6) batteries.



Notes on batteries

Battery life
Normal operation can be expected about a half year using Sony SUM-3 (NS) and a year using Sony AM-3 (NW) alkaline batteries.
If the LEARN indicator does not light when a button is pressed, the batteries are almost exhausted.
When the batteries are exhausted, the remote commander can no longer operate the unit or programming becomes impossible.
If this happens, replace both batteries with new ones.

To avoid battery leakage
When the commander is not to be used for a long time, remove the batteries to avoid damage caused by battery leakage and corrosion.

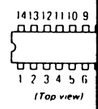
2-1. SEMIC

LB1639

LC7822

M4052BP
NE646N
TC4052BP
YM3428

M4066B



2-2. CIRCU

TONE

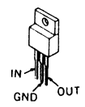
CON

SECTION 2
DIAGRAMS

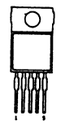
2-1. SEMICONDUCTOR LEAD LAYOUTS

LB1639

M5F7805
M5F7809
M5F7812

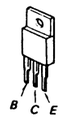


SI18752

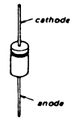


2SA1215
2SC2921

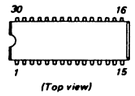
2SD1585



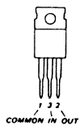
US1060M UZL-30L
US1090M UZL-6L2
UZL-12L 10E2N
UZL-15M 1S1585



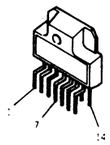
LC7822



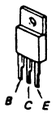
M5F7909
RC7809FA



μPC1298V
μPC1342V

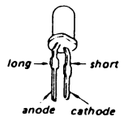


2SA1672
2SC4387

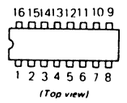


2SK246

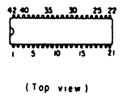
SEL2210S
SEL2810A
SEL2910A



M4052BP
NE646N
TC4052BPHP
YM3428



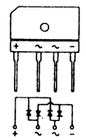
M50720-129SP



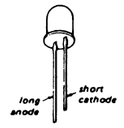
DTA114ES 2SA1115
DTA124ES 2SA1346
DTC114ES 2SA1348
DTC124ES

2SB984
2SD1312

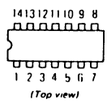
RBV-402-01
RBV-602-01



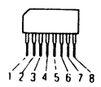
SEL2510C



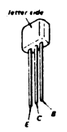
M4066BP



M5218L
μPC1237HA

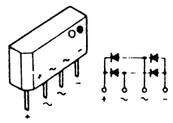


2SA1175 BA1A4M
2SC2458 BA1F4M
2SC2603 BA1A4M
2SC2785 BA1F4M



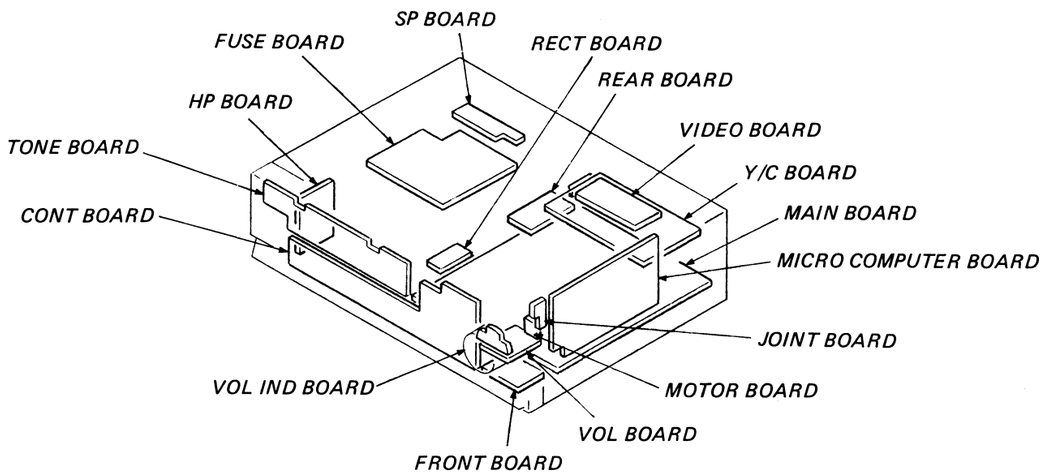
2SC1841
2SC3622A
2SD1387

S1VB10
S1VB40



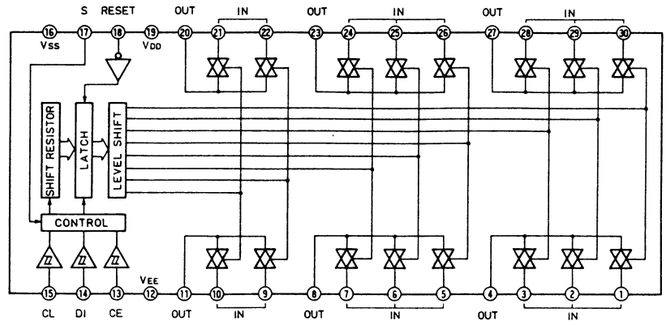
SEL4925A-C

2-2. CIRCUIT BOARDS LOCATION

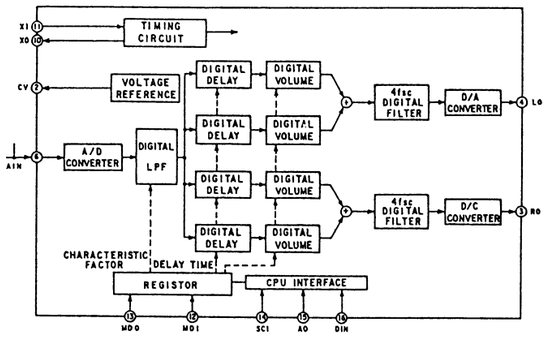


2-3. IC BLOCK DIAGRAM

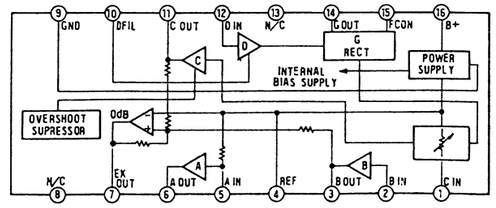
IC101
LC7822



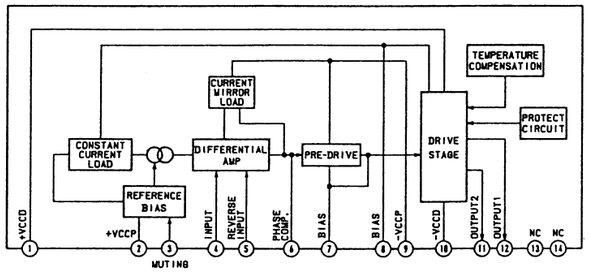
IC452
YM3428



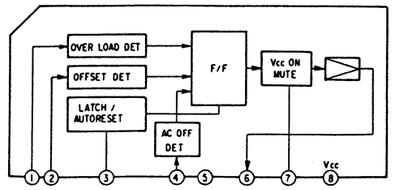
IC454
NE646N



IC501,601
μPC1298/1342V



IC703
μPC1237HA



IC901
LB1639

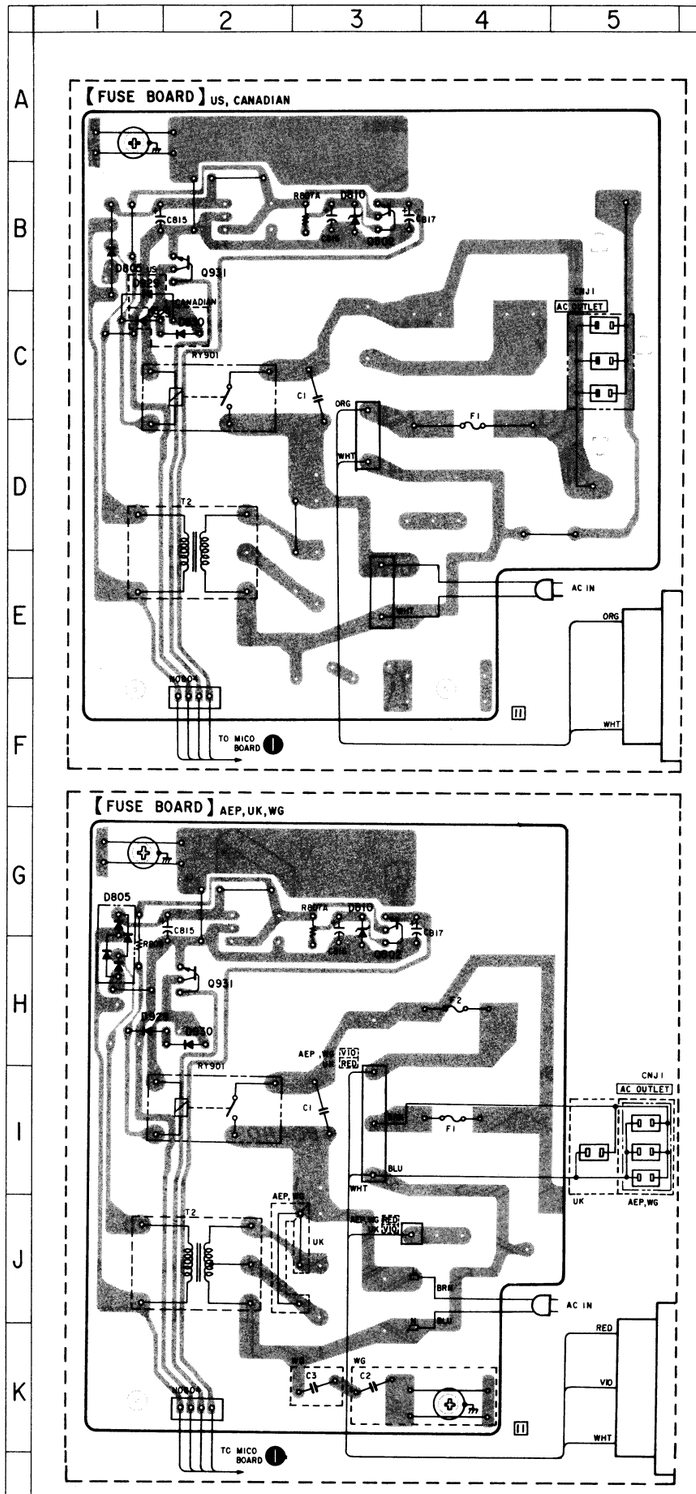
2-4. PRINTED WIRING BOARDS (AMPLIFIER SECTION)

Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D500	E-17	Q500	H-14
D501	H-16	Q501	H-16
D502	H-16	Q502	E-18
D600	E-17	Q503	J-16
D601	H-20	Q504	J-18
D602	H-20	Q505	J-15
D700	B-7	Q506	E-18
D701	A-8	Q507	I-17
D702	G-21	Q508	I-15
D703	F-18	Q600	H-22
D704	F-18	Q601	H-20
D705	F-19	Q602	E-20
D706	F-19	Q603	J-22
D800	J-13	Q604	J-23
D801	I-23	Q605	J-20
D802	I-23	Q606	E-19
D803	I-23	Q607	I-22
D804	B-11	Q608	I-20
D805	C-1	Q700	G-21
	(US, Canadian)	Q701	B-8
	E-7 (E)	Q702	F-20
	H-1	Q703	G-20
	(AEP, UK, WG)	Q704	F-20
D806	G-15	Q705	F-20
D807A	C-17	Q706	C-17
D807	F-15	Q707	C-17
D808	E-16	Q708	C-17
D809	E-16	Q800	I-23
D810	B-3	Q801	I-23
	(US, Canadian)	Q802	B-3
	E-9 (E)		(US, Canadian)
	H-3		E-9 (E)
	(AEP, UK, WG)		H-3
D929	C-2		(AEP, UK, WG)
	(US, Canadian)	Q803	E-16
	F-7 (E)	Q804	E-16
	H-2	Q931	C-2
	(AEP, UK, WG)		(US, Canadian)
D930	F-7 (E)		F-7 (E)
	I-2		H-2
	(AEP, UK, WG)		(AEP, UK, WG)
IC100	C-23		
IC101	B-21		
IC102	D-22		
IC202	F-23		
IC300	B-17		
IC301	I-24		
IC302	D-15		
IC450	C-15		
IC500	E-18		
IC501	H-15		
IC601	H-21		
IC700	G-22		
IC701	B-8		
IC703	F-23		
IC800	E-16		
IC801	E-16		
IC802	E-15		
IC803	E-8		
IC804	E-15		

Note:

- ○—— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- WG: West Germany



8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

【REAR BOARD】

CANADIAN, AEP, UK, WG, E

US, AEP, UK

CANADIAN, WG, E

【FRONT BOARD】

J50-1 VIDEO

J50-2 L

J50-3 R

VIDEO 4 INPUT

AUDIO

TO Y/C BOARD H

【MAIN BOARD】

TO MICO BOARD B

TO MICO BOARD C

TO TONE BOARD D

TO TONE BOARD E

TO MICO BOARD A

TO TONE BOARD G

US, CANADIAN, AEP, UK, E

J100-1 IN PHONO

J100-2 IN TUNER

J100-3 IN CD

J101-1 REC OUT TAPE/DAT

J101-2 IN

J101-3 AUDIO IN VIDEO 3 CDV

J102-1 AUDIO OUT VIDEO 2

J102-2 AUDIO IN

J103-3 AUDIO OUT VIDEO 1

J103-2 AUDIO IN

J104-1 OUT GRAPHIC EQ

J104-2 IN

【RECT BOARD】

TO MICO BOARD I

AC OUTLET

AC IN

220V 240V 120V

T1 POWER TRANSFORMER

Q505 Q503 Q504 Q605 Q603 Q604

TO HP BOARD J

TO TONE BOARD F

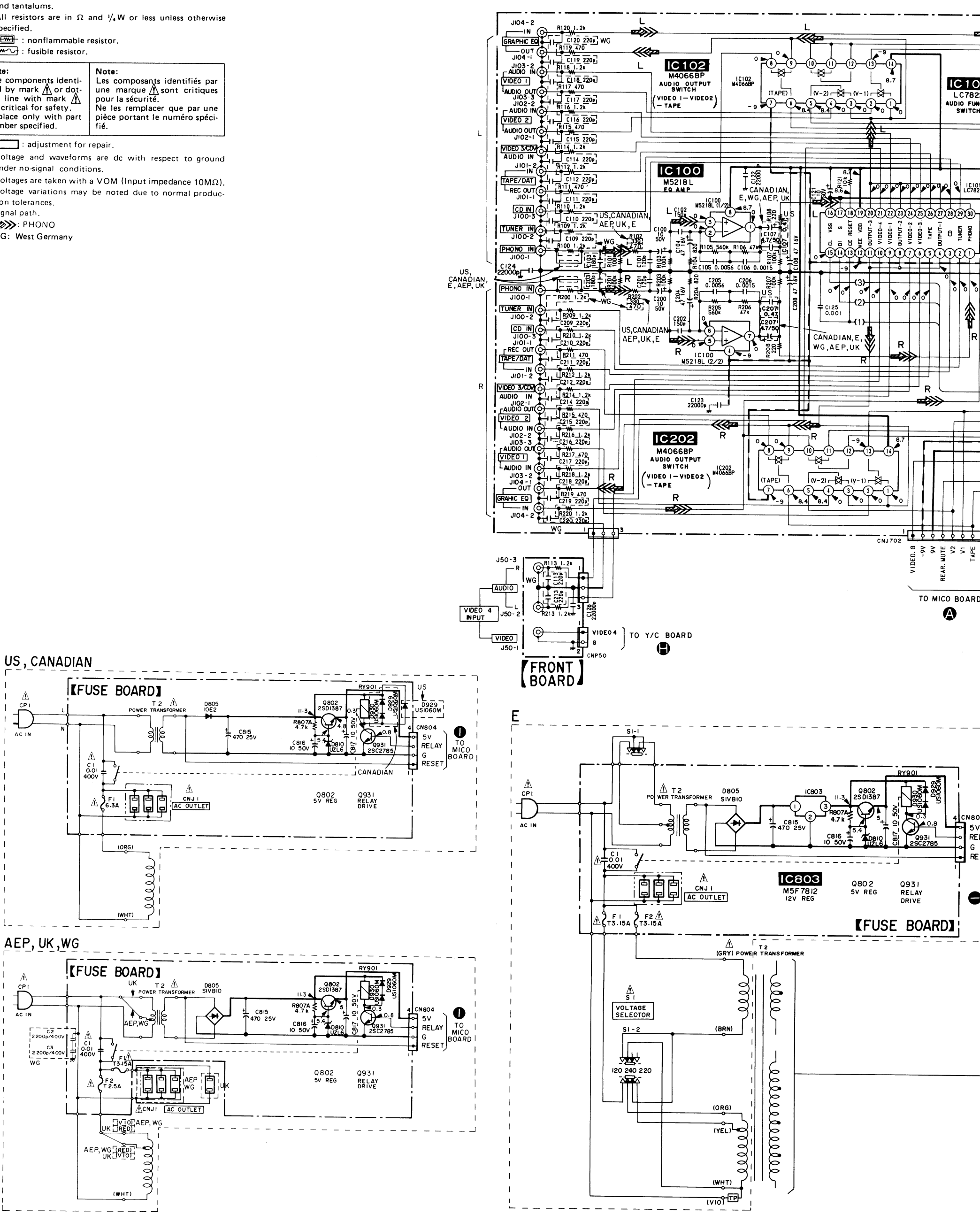
2-5. SCHEMATIC DIAGRAM (AMPLIFIER SECTION)

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- : nonflammable resistor.
- : fusible resistor.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  : PHONO
- WG: West Germany



【MAIN BOARD】

IC101 LC7822 AUDIO FUNCTION SWITCH

IC300 M4066BP SURROUND MODE SWITCH
IC300 M4066BP

IC301 M5218L G-EQ BUFFER

IC450 (1/2) M5218L INVERTER

IC450 (1/2) M5218L L-R MIX AMP

IC302 M5218L BUFFER

Q706—708 SWITCH

Q502,506,602,606 BASS BOOST
US, CANADIAN, E

IC500 M5218L G EQ

Q500,600 FRONT MUTE
CANADIAN, E, WG, AEP, UK

IC700 M5218L REAR AMP

Q700 MUTE

Q702 PROTECT

【RECT BOARD】

Q800,801 REGULATOR
WG, AEP, UK

US, CANADIAN, E

WG, AEP, UK

IC800 IC804
M5F7809 9V REG
M5F7805 5V REG

IC801 IC802
M5F7909
−9V REG

Q803
12V REG

Q804
−12V REG

TO MICO BOARD (A)
TO MICO BOARD (B)
TO MICO BOARD (C)
TO TONE BOARD (D)
TO TONE BOARD (E)
TO TONE BOARD (F)
TO TONE BOARD (G)

【MAIN BOARD】

【REAR BOARD】

IC450 (1/2) M5218L INVERTER

IC302 M5218L BUFFER

IC500 M5218L G EQ

IC501 μPC1342V / μPC1298V POWER AMP

IC601 μPC1342V / μPC1298V POWER AMP

IC700 M5218L REAR AMP

IC701 SI-18752 POWER AMP

IC703 μPC1237HA PROTECTOR CIRCUIT

Q500,600 FRONT MUTE CANADIAN,E,WG,AEP,UK

Q501,601 PROTECTOR

Q502,506,602,606 BASS BOOST

Q504 2SC2921 / 2SC4387 POWER DRIVE

Q505 2SA1245 / 2SA1672 POWER DRIVE

Q507,508 POWER DRIVE

Q604 2SC2921 / 2SC4387 POWER DRIVE

Q605 2SA1215 / 2SA1672 POWER DRIVE

Q607,608 POWER DRIVE

Q700 MUTE

Q701 PROTECTOR

Q702 PROTECT

Q703,704 RELAY DRIVE

Q705 SWITCH

CNP305 L G R — TO TONE BOARD (D)

CNJ704 L-R OUT G -9V G +9V REARIN G 5V — TO MICO BOARD (G)

CNP303 L-CH G R-CH MAIN IN — TO TONE BOARD (H)

CNP304 REAR IN G — TO TONE BOARD (I)

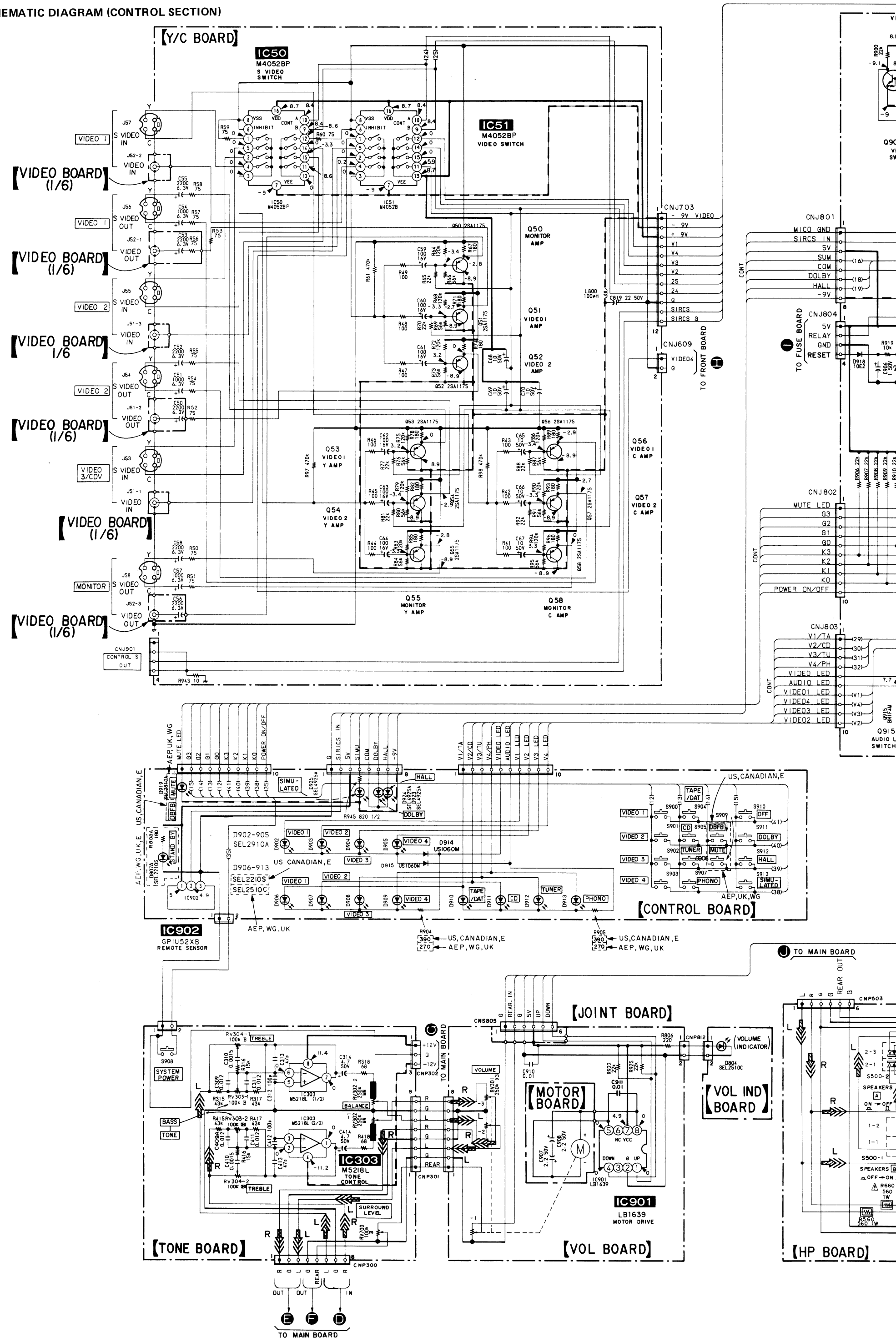
CNP503 L R G G G REAR — TO HP BOARD (J)

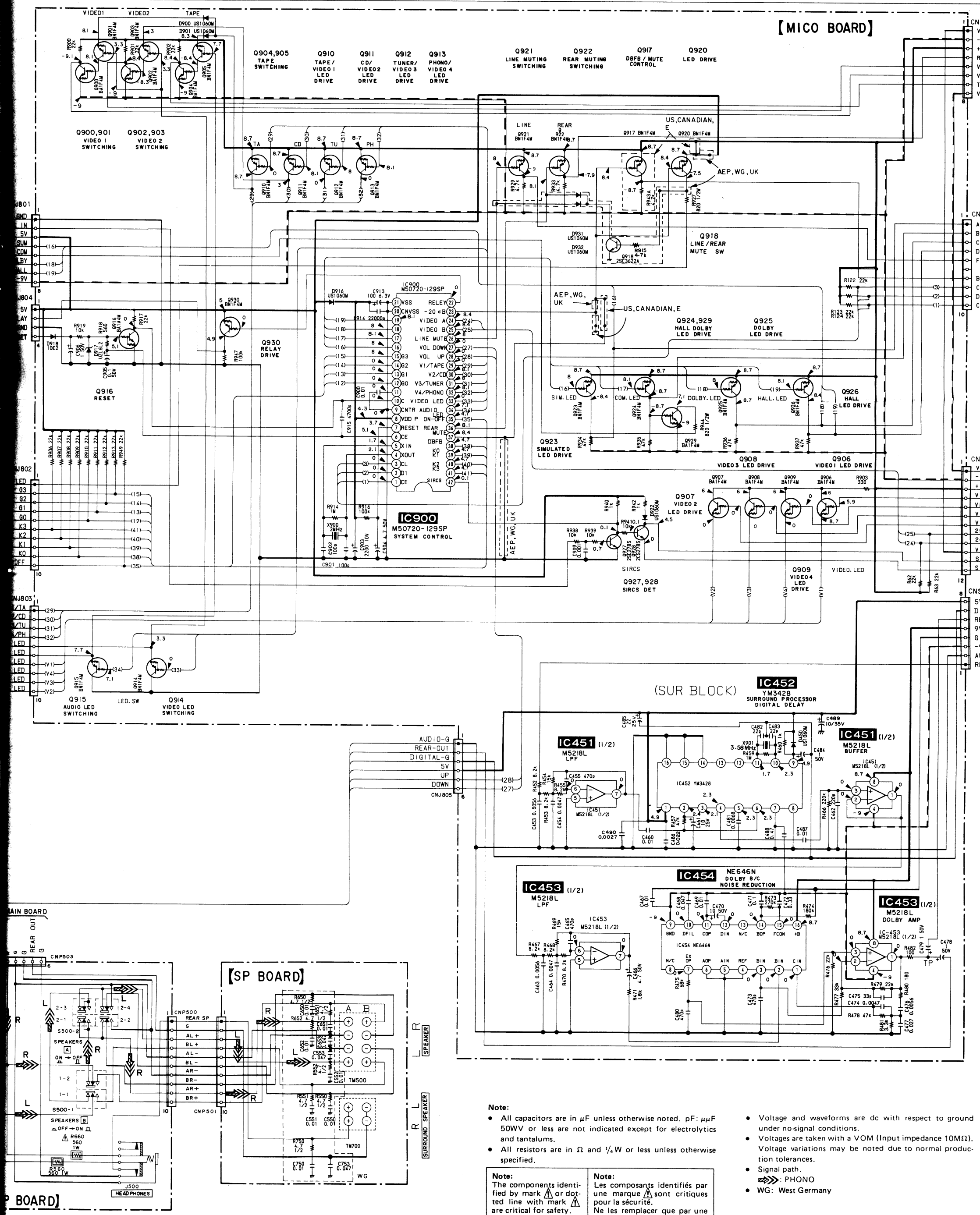
CNP700 + G - SPOUT INP G IN

CNP701 + G - SP-OUT INP G IN

TP 1

2-6. SCHEMATIC DIAGRAM (CONTROL SECTION)



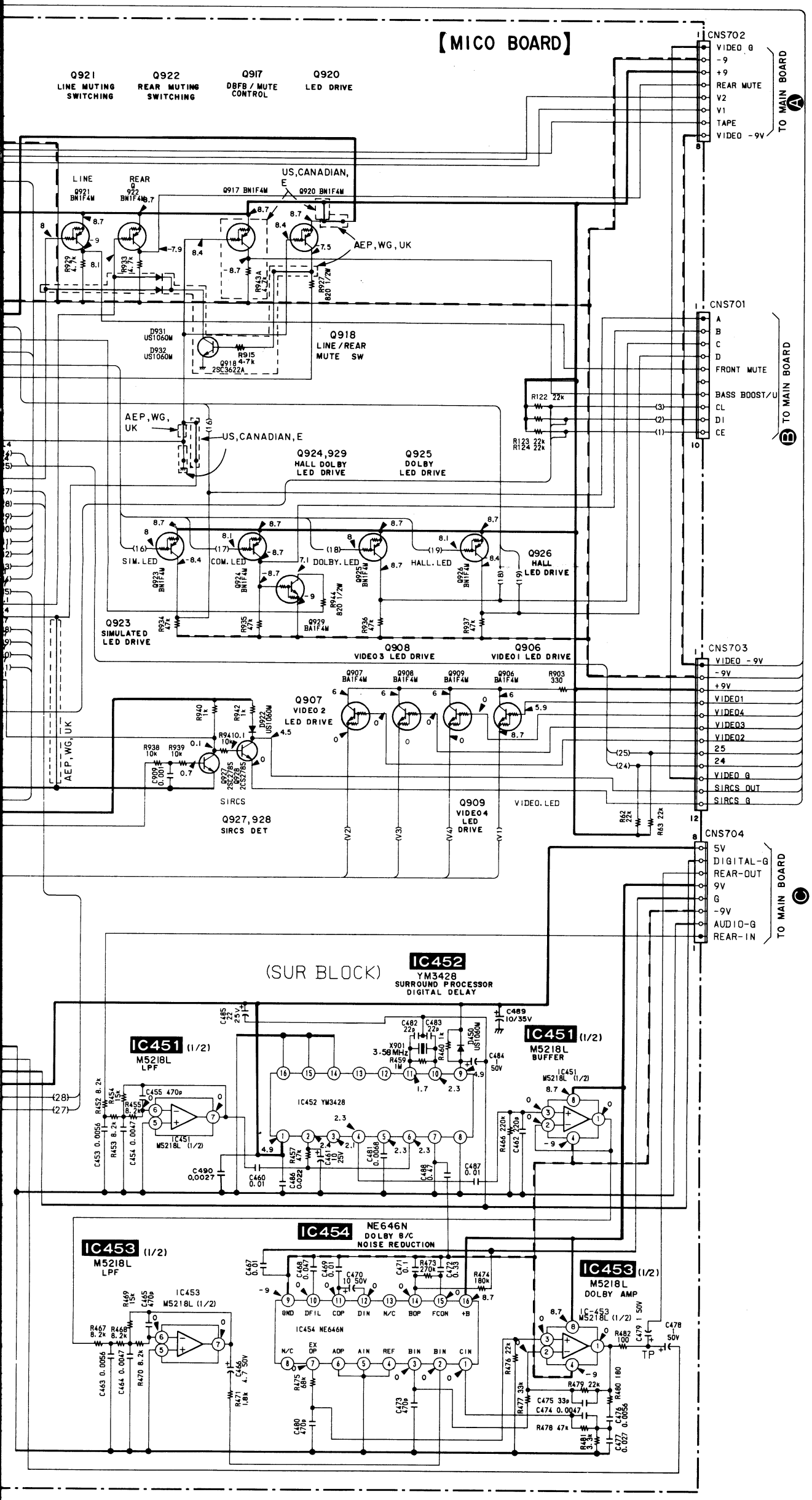


Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	**Note:** Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Voltage and waveforms are dc with respect to ground under no-signal conditions.
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⋙: PHONO
- WG: West Germany



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Voltage and waveforms are dc with respect to ground under no-signal conditions.
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇒⇒⇒: PHONO
- WG: West Germany

【VIDEO BOARD】

【VOL IND BOARD】

【CONTROL BOARD】

【MOTOR BOARD】

【VOL BOARD】

【Y/C BOARD】

【JOINT BOARD】

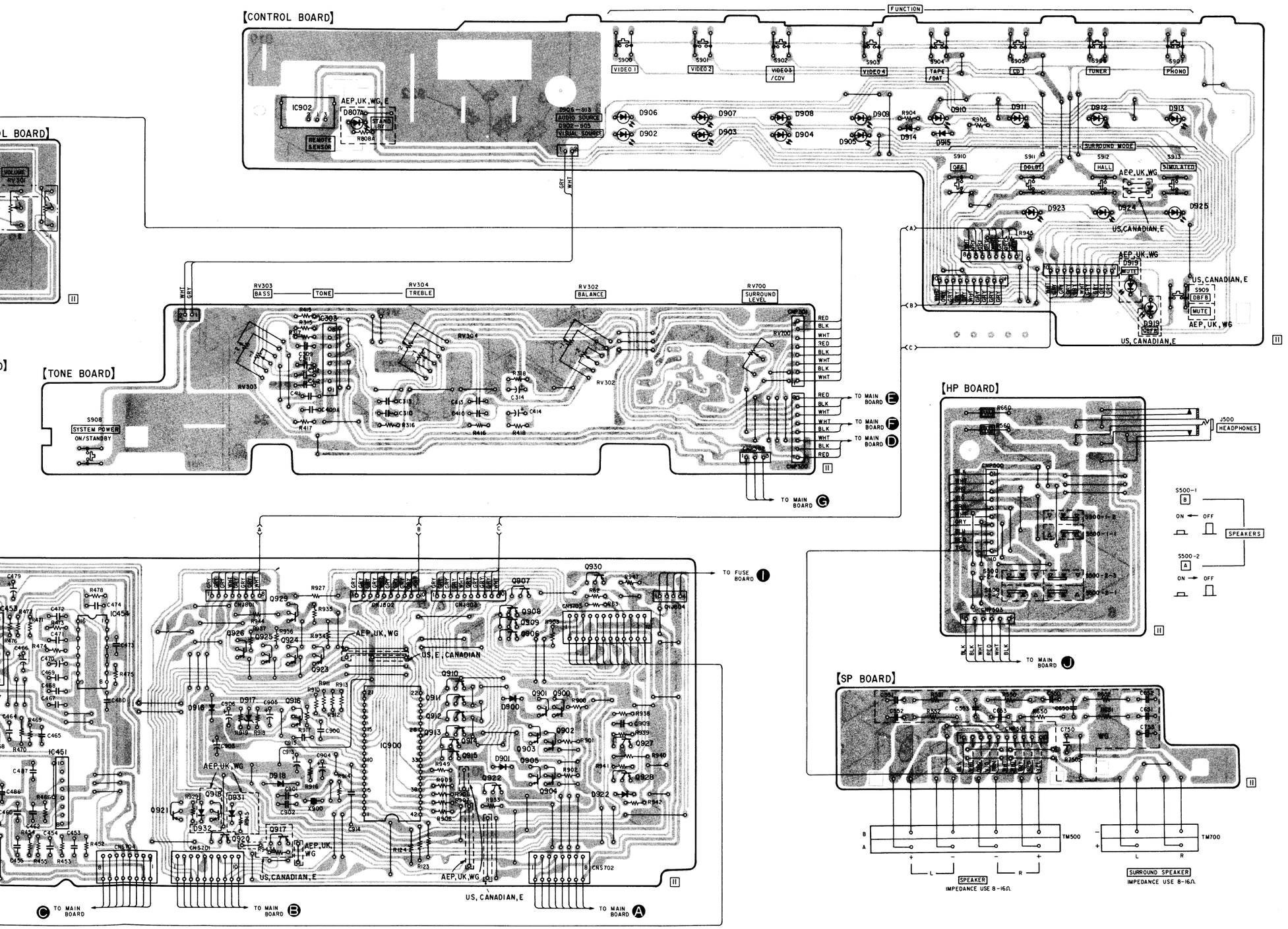
【TONE BOARD】

【HP BOARD】

【MICO BOARD】

【SP BOARD】

8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23



Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D450	J-7	Q913	I-13
D804A	I-18	Q914	J-13
D807A	C-12	Q915	J-13
D900	J-14	Q916	J-13
D901	J-14	Q917	J-13
D902	C-15	Q918	J-11
D903	G-16	Q919	K-11
D904	C-17	Q920	K-10
D905	C-18	Q921	K-10
D906	C-15	Q922	K-14
D907	C-16	Q923	I-12
D908	C-17	Q924	I-11
D909	C-18	Q925	I-11
D910	C-19	Q926	I-11
D911	C-20	Q927	J-15
D912	C-21	Q928	J-15
D913	C-22	Q929	I-11
D914	C-19	Q930	H-15
D915	C-19		
D916	J-10		
D917	J-11		
D918	K-11		
D919	E-21		
D922	K-15		
D923	D-21		
D924	D-21		
D925	D-22		
D931	K-11		
D932	K-10		
IC50	J-4		
IC51	F-5		
IC303	E-12		
IC451	K-9		
IC452	K-7		
IC453	I-8		
IC454	I-9		
IC901	J-12		
IC901	D-7		
IC902	C-11		
Q50	G-4		
Q51	G-4		
Q53	F-4		
Q54	I-4		
Q55	H-4		
Q56	H-4		
Q57	L-3		
Q58	K-3		
Q900	K-3		
Q901	J-14		
Q902	J-14		
Q903	J-14		
Q904	J-14		
Q905	J-14		
Q906	J-14		
Q907	I-14		
Q908	H-14		
Q909	I-14		
Q910	H-14		
Q911	I-14		
Q912	I-14		

Note:

- ○—— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- WG: West Germany

TA-AV490 TA-AV490

SECTION 3
EXPLODED VIEW

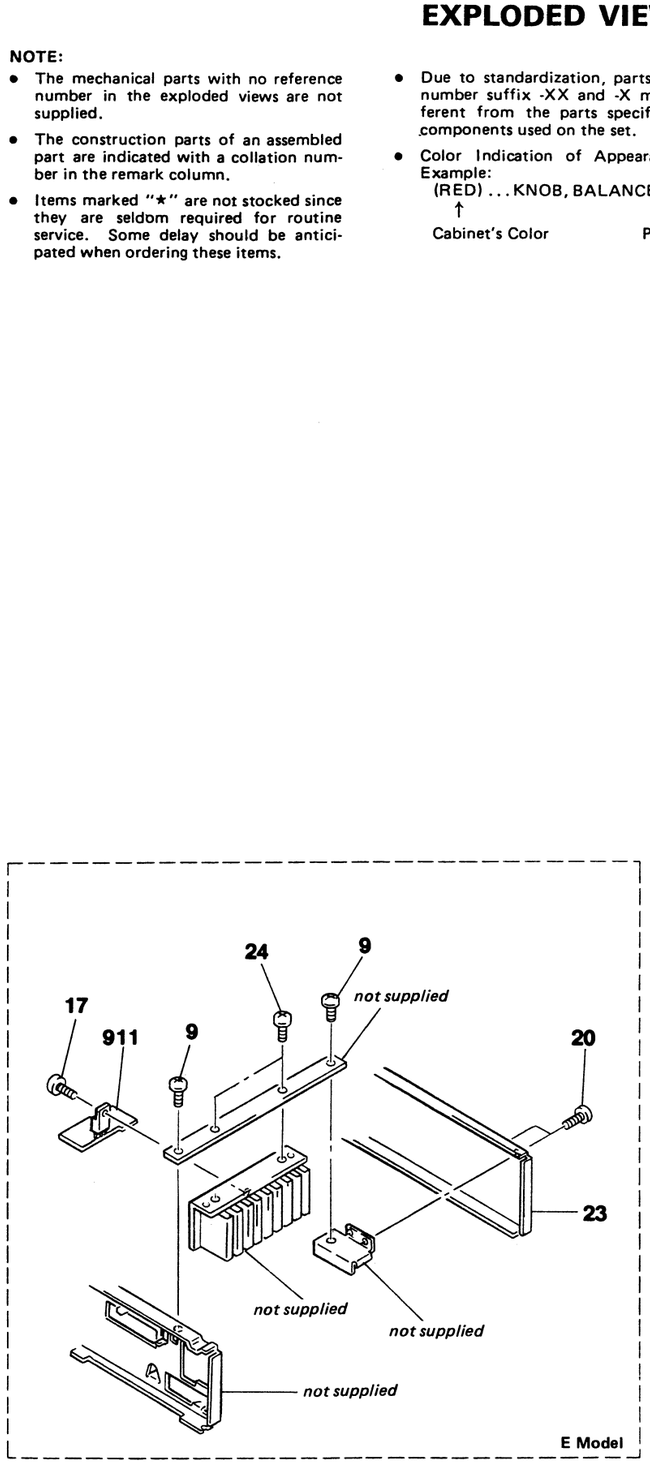
NOTE:

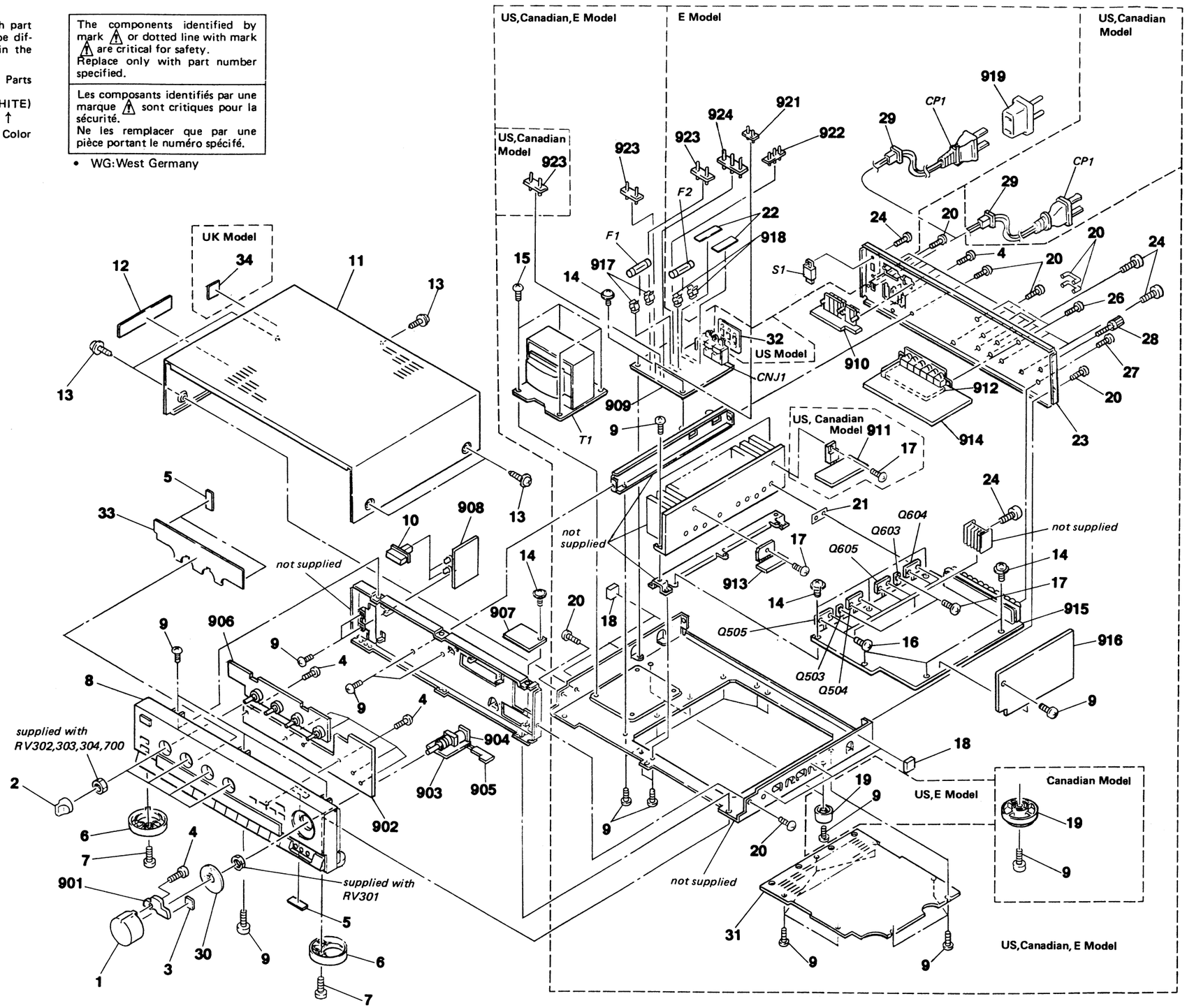
- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ Cabinet's Color ↑ Parts' Color

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifé.

- WG: West Germany





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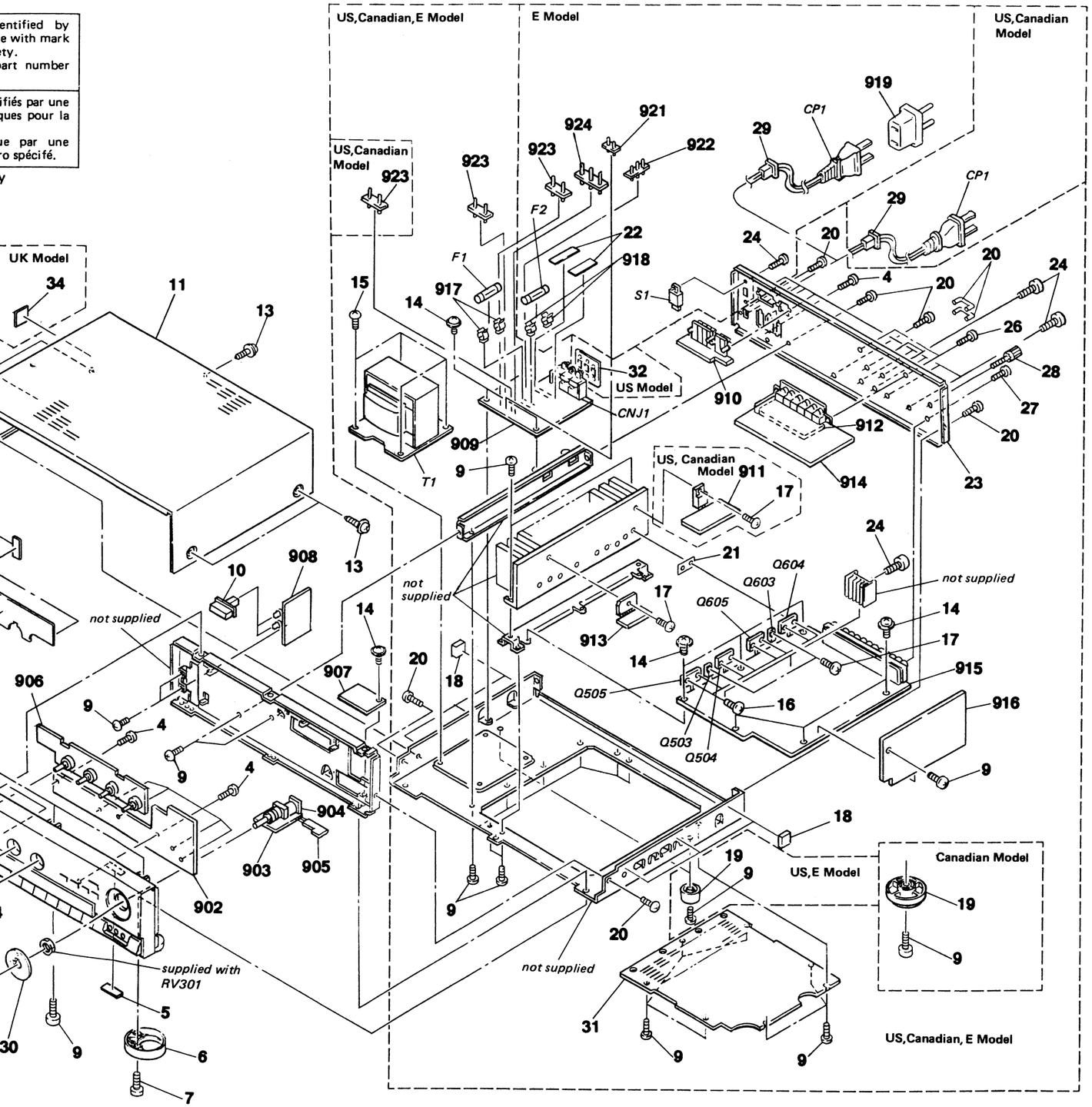

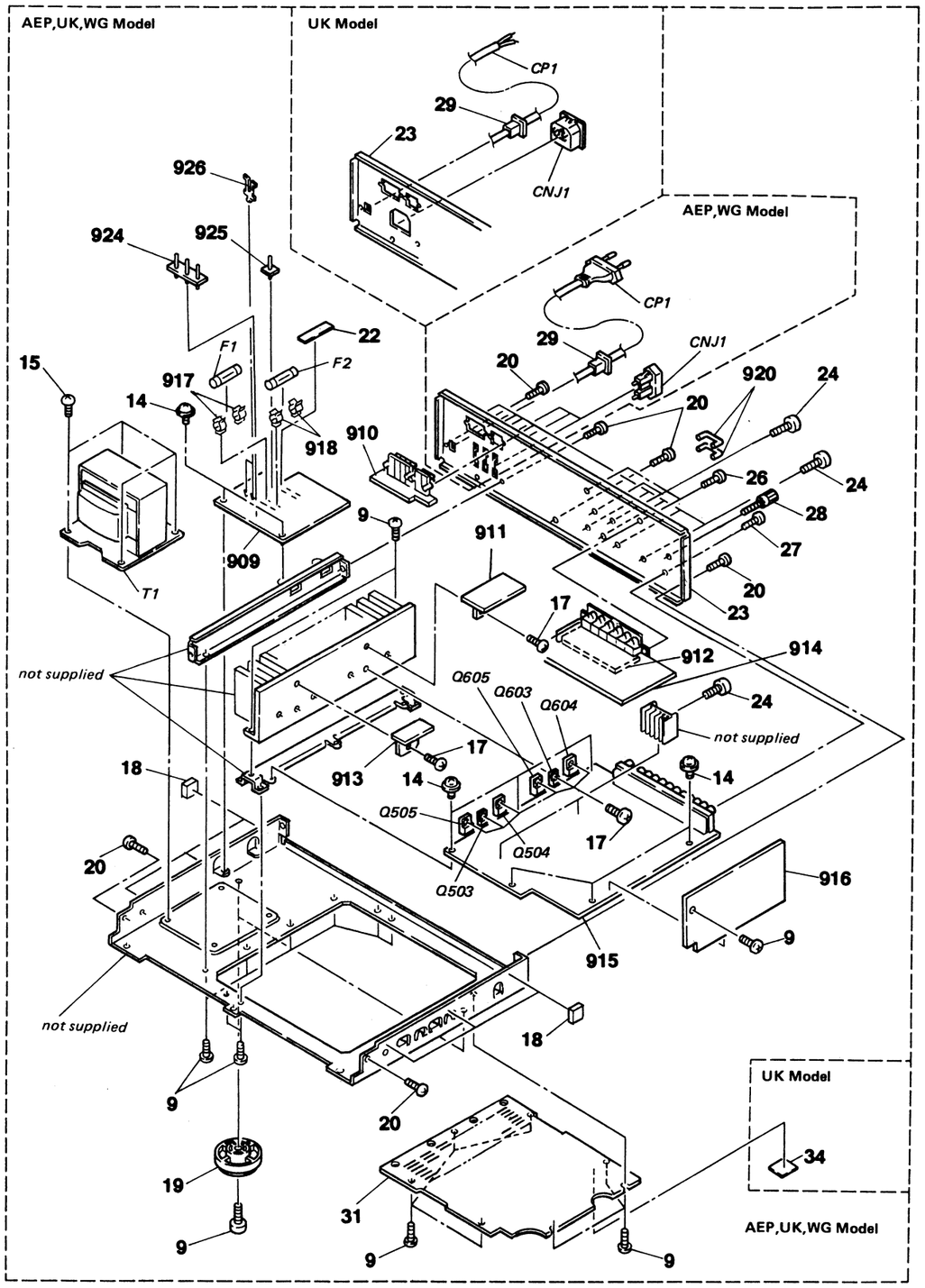

No.	Part No.	Description	Remarks
1	4-925-121-01	KNOB (V2)(VOLUME)	
2	4-916-745-01	KNOB(DIA.21)(TONE,BALANCE,SURROUND LEVEL)	
3	*4-921-941-01	CUSHION (FL)	
4	7-685-134-19	SCREW +BTP 2.6X8 TYPE2 N-S	
5	3-831-441-XX	CUSHION (B), CABINET	
6	3-332-580-01	(AEP,UK,WG).....COVER (FOOT)	
	3-332-580-11	(US,Canadian,E)...COVER (FOOT)	
7	7-685-874-09	SCREW +BVTT 3X12 (S)	
8	X-4911-205-1	(US,Canadian)...PANEL ASSY, FRONT	
	X-4919-207-1	(E).....PANEL ASSY, FRONT	
	X-4911-208-1	(AEP,UK,WG).....PANEL ASSY, FRONT	
9	7-682-548-04	SCREW +BVTT 3X8 (S)	
10	4-924-901-01	BUTTON (M)(SPEAKERS SELECT)	
11	4-924-920-71	(US,Canadian)...CASE	
	4-927-838-01	(AEP,UK,WG).....CASE	
	4-927-850-01	(E).....CASE	
12	4-915-702-01	LABEL, CAUTION, DOLBY SURROUND	
13	3-704-366-01	SCREW (CASE) (M3X8)	
14	4-886-821-11	SCREW, S TIGHT, +PTTWH 3X6	
15	7-682-560-04	SCREW +BVTT 4X6 (S)	
16	7-682-549-09	(US,Canadian,E)...SCREW +B 3X10	
17	7-682-548-09	SCREW +B 3X8	
18	9-911-841-XX	CUSHION	
19	4-927-849-01	(US,E).....FOOT	
	X-4885-935-1	(AEP,UK,WG)...FOOT ASSY	
	X-4911-201-1	(Canadian)....FOOT ASSY	
20	7-685-872-09	SCREW +BVTT 3X8 (S)	
21	4-885-901-31	(US,Canadian,E)...SHEET, RADIATION	
22	3-701-947-16	(AEP,UK,WG,E)...LABEL (T3.15A), FUSE	
23	*4-927-807-01	(US).....PANEL, BACK	
	*4-927-807-11	(Canadian)...PANEL, BACK	
	*4-927-807-31	(AEP).....PANEL, BACK	
	*4-927-807-42	(WG).....PANEL, BACK	
	*4-927-807-51	(UK).....PANEL, BACK	
	*4-927-807-61	(E).....PANEL, BACK	
24	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
26	3-703-685-21	SCREW (+BV 3X8)	
27	7-621-849-00	SCREW, TAPPING	
28	3-706-165-00	SCREW	
29	*3-703-244-00	(US,Canadian,AEP,UK,WG) ...BUSHING (2104), CORD	
	3-703-571-11	(E).....BUSHING (S) (4516), CORD	
30	*4-931-603-11	SPACER	
31	*4-927-806-11	(AEP,UK,WG)...PLATE, BOTTOM	
	*4-927-806-21	(Canadian)...PLATE, BOTTOM	
	*4-927-806-31	(US,E).....PLATE, BOTTOM	
32	*4-927-833-01	(US)...SPACER (3 GANG)	
33	*4-927-848-01	PLATE, SHIELD	
34	*3-703-079-21	(UK)...LABEL, CAUTION	
901	*1-631-064-11	PC BOARD, VOL IND	
902	*1-631-060-11	PC BOARD, CONT	
903	*1-631-063-11	PC BOARD, VOL	
904	*1-631-066-11	PC BOARD, MOTOR	
905	*1-631-065-11	PC BOARD, JOINT	
906	*1-631-061-11	PC BOARD, TONE	
907	*1-631-052-11	PC BOARD, FRONT	
908	*1-631-058-11	PC BOARD, HD	
909	*1-631-057-11	PC BOARD, FUSE	

No.	Part No.	Description
910	*1-631-059-11	PC BOARD, SP
911	*1-631-054-11	PC BOARD, REAR
912	*1-631-056-11	PC BOARD, VIDEO
913	*1-631-053-11	PC BOARD, RECT
914	*A-4333-583-A	MOUNTED PCB, Y/C
915	*A-4333-575-A	(US).....MOUNTED PCB, MAIN
	*A-4333-588-A	(Canadian)...MOUNTED PCB, MAIN
	*A-4333-747-A	(AEP,UK).....MOUNTED PCB, MAIN
	*A-4333-751-A	(WG).....MOUNTED PCB, MAIN
	*A-4333-757-A	(E).....MOUNTED PCB, MAIN
916	*A-4333-580-A	(US,Canadian,E) ...MOUNTED PCB, MICRO COMPUTER
	*A-4333-749-A	(AEP,UK,WG)...MOUNTED PCB, MICRO COMPUTER
917 ⚠	*1-533-213-31	HOLDER, FUSE
918 ⚠	*1-533-213-31	(AEP,UK,WG,E)...HOLDER, FUSE
919 ⚠	1-526-565-00	(E).....AC PLUG ADAPTOR
920	1-535-530-11	PLUG, JUMPER
921	*1-535-115-00	(E)...TERMINAL
922	*1-535-116-00	(E)...TERMINAL
923	*1-535-139-00	(US,Canadian,E)...BASE POST 22MM (10MM PITCH) 2P
924	*1-535-140-00	(AEP,UK,WG,E).....BASE POST 22MM (10MM PITCH) 3P
925	*1-535-114-00	(AEP,UK,WG)...TERMINAL
926	*1-535-771-11	(AEP,UK,WG)...TERMINAL
CNJ1 ⚠	1-526-794-11	(AEP,WG).....OUTLET, AC
CNJ1 ⚠	1-526-751-00	(UK).....OUTLET, AC
CNJ1 ⚠	1-540-043-11	(E).....OUTLET, AC (NONPLAR) (3P)
CNJ1 ⚠	1-540-062-11	(US,Canadian)...OUTLET, AC (POLAR)
CP1 ⚠	1-551-188-XX	(E).....CORD, POWER
CP1 ⚠	1-555-750-00	(AEP,WG).....CORD, POWER
CP1 ⚠	1-556-035-00	(UK).....CORD, POWER
CP1 ⚠	1-557-577-11	(US,Canadian)...CORD, POWER
F1 ⚠	1-532-237-00	(AEP,UK,WG,E)...FUSE, TIME-LAG (3.15A)
F1 ⚠	1-532-748-11	(US,Canadian)...FUSE, GLASS TUBE (6.3A)
F2 ⚠	1-532-237-00	(E).....FUSE, TIME-LAG (3.15A)
F2 ⚠	1-532-286-00	(AEP,UK,WG)...FUSE, TIME-LAG (2.5A)
Q503	8-729-107-25	TRANSISTOR 2SD1585-L
Q504	8-729-320-03	(US,Canadian,E)...TRANSISTOR 2SC2921M-O
Q504	8-729-321-21	(AEP,UK,WG).....TRANSISTOR 2SC4387
Q505	8-729-300-22	(US,Canadian,E)...TRANSISTOR 2SA1215
Q505	8-729-321-24	(AEP,UK,WG).....TRANSISTOR 2SA1672
Q603	8-729-107-25	TRANSISTOR 2SD1585-L
Q604	8-729-320-03	(US,Canadian,E)...TRANSISTOR 2SC2921M-O
Q604	8-729-321-21	(AEP,UK,WG).....TRANSISTOR 2SC4387
Q605	8-729-300-22	(US,Canadian,E)...TRANSISTOR 2SA1215
Q605	8-729-321-24	(AEP,UK,WG).....TRANSISTOR 2SA1672
S1 ⚠	1-571-515-11	(E)...SWITCH,POWER VOLTAGE SELECTION (VOLTAGE SELECTOR)
T1 ⚠	1-449-712-11	(US,Canadian)...TRANSFORMER, POWER
T1 ⚠	1-449-713-11	(E).....TRANSFORMER, POWER
T1 ⚠	1-449-714-11	(AEP,UK,WG).....TRANSFORMER, POWER

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

SECTION 4
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

- WG: West Germany

Ref.No.	Part No.	Description
901	*1-631-064-11	PC BOARD, VOL IND
902	*1-631-060-11	PC BOARD, CONT
903	*1-631-063-11	PC BOARD, VOL
904	*1-631-066-11	PC BOARD, MOTOR
905	*1-631-065-11	PC BOARD, JOINT
906	*1-631-061-11	PC BOARD, TONE
907	*1-631-052-11	PC BOARD, FRONT
908	*1-631-058-11	PC BOARD, HD
909	*1-631-057-11	PC BOARD, FUSE
910	*1-631-059-11	PC BOARD, SP
911	*1-631-054-11	PC BOARD, REAR
912	*1-631-056-11	PC BOARD, VIDEO
913	*1-631-053-11	PC BOARD, RECT
914	*A-4333-583-A	MOUNTED PCB, Y/C
915	*A-4333-575-A	(US).....MOUNTED PCB, MAIN
	*A-4333-588-A	(Canadian)...MOUNTED PCB, MAIN
	*A-4333-747-A	(AEP,UK).....MOUNTED PCB, MAIN
	*A-4333-751-A	(WG).....MOUNTED PCB, MAIN
	*A-4333-757-A	(E).....MOUNTED PCB, MAIN
916	*A-4333-580-A	(US,Canadian,E) ...MOUNTED PCB, MICRO COMPUTER
	*A-4333-749-A	(AEP,UK,WG) ...MOUNTED PCB, MICRO COMPUTER
917 ⚠	*1-533-213-31	HOLDER, FUSE
918 ⚠	*1-533-213-31	(AEP,UK,WG,E)...HOLDER, FUSE
919 ⚠	1-526-565-00	(E)...AC PLUG ADAPTOR
920	1-535-530-11	PLUG, JUMPER
921	*1-535-115-00	(E)...TERMINAL
922	*1-535-116-00	(E)...TERMINAL
923	*1-535-139-00	(US,Canadian,E)...BASE POST 22MM (10MM PITCH) 2P
924	*1-535-140-00	(AEP,UK,WG,E).....BASE POST 22MM (10MM PITCH) 3P
925	*1-535-114-00	(AEP,UK,WG)...TERMINAL
926	*1-535-771-11	(AEP,UK,WG)...TERMINAL
C1	⚠ 1-161-744-00	CERAMIC 0.01MF 400V
C2	⚠ 1-161-742-00	(WG) ...CERAMIC 0.0022MF 20% 400V
C3	⚠ 1-161-742-00	(WG) ...CERAMIC 0.0022MF 20% 400V
C50	1-124-893-11	ELECT 2200MF 20% 6.3V
C51	1-124-471-00	ELECT 1000MF 20% 6.3V
C52	1-124-893-11	ELECT 2200MF 20% 6.3V
C53	1-124-893-11	ELECT 2200MF 20% 6.3V
C54	1-124-471-00	ELECT 1000MF 20% 6.3V
C55	1-124-893-11	ELECT 2200MF 20% 6.3V
C56	1-124-893-11	ELECT 2200MF 20% 6.3V
C57	1-124-471-00	ELECT 1000MF 20% 6.3V
C58	1-124-893-11	ELECT 2200MF 20% 6.3V
C59	1-126-101-11	ELECT 100MF 20% 16V
C60	1-126-101-11	ELECT 100MF 20% 16V
C61	1-126-101-11	ELECT 100MF 20% 16V
C62	1-126-101-11	ELECT 100MF 20% 16V
C63	1-126-101-11	ELECT 100MF 20% 16V
C64	1-126-101-11	ELECT 100MF 20% 16V
C65	1-123-875-11	ELECT 10MF 20% 50V
C66	1-123-875-11	ELECT 10MF 20% 50V
C67	1-123-875-11	ELECT 10MF 20% 50V
C68	1-123-875-11	ELECT 10MF 20% 50V
C69	1-123-875-11	ELECT 10MF 20% 50V
C70	1-123-875-11	ELECT 10MF 20% 50V
C100	1-123-875-11	ELECT 10MF 20% 50V
C101	1-162-283-31	CERAMIC 120PF 10% 50V
C102	1-101-361-00	CERAMIC 150PF 10% 50V
C104	1-124-477-11	ELECT 47MF 20% 16V
C105	1-130-480-00	MYLAR 0.0056MF 10% 50V
C106	1-130-473-00	MYLAR 0.0015MF 10% 50V
C107	1-124-927-11	(Canadian,E,AEP,UK,WG) ...ELECT 4.7MF 20% 50V
C107	1-124-902-00	(US)...MYLAR 0.47MF 20% 50V
C108	1-124-477-11	ELECT 47MF 20% 16V
C109	1-162-286-31	(WG)...CERAMIC 220MF 10% 50V
C110	1-162-286-31	(WG)...CERAMIC 220MF 10% 50V
C111	1-162-286-31	(WG)...CERAMIC 220MF 10% 50V
C112	1-162-286-31	(WG)...CERAMIC 220MF 10% 50V
C113	1-162-286-31	(WG)...CERAMIC 220MF 10% 50V
C114	1-162-286-31	(WG)...CERAMIC 220MF 10% 50V
C115	1-162-286-31	(WG)...CERAMIC 220MF 10% 50V
C116	1-162-286-31	(WG)...CERAMIC 220MF 10% 50V
C117	1-162-286-31	(WG)...CERAMIC 220MF 10% 50V
C118	1-162-286-31	(WG)...CERAMIC 220MF 10% 50V
C119	1-162-286-31	(WG)...CERAMIC 220MF 10% 50V
C120	1-162-286-31	(WG)...CERAMIC 220MF 10% 50V
C121	1-123-875-11	ELECT 10MF 20% 50V
C122	1-161-494-00	CERAMIC 0.022MF 25V
C123	1-161-494-00	CERAMIC 0.022MF 25V
C124	1-161-494-00	CERAMIC 0.022MF 25V
C125	1-162-294-31	CERAMIC 0.001MF 10% 50V
C126	1-161-494-00	CERAMIC 0.022MF 30% 25V
C200	1-123-875-11	ELECT 10MF 20% 50V
C201	1-162-283-31	CERAMIC 120PF 10% 50V
C202	1-101-361-00	CERAMIC 150PF 10% 50V
C204	1-124-477-11	ELECT 47MF 20% 16V
C205	1-130-480-00	MYLAR 0.0056MF 10% 50V
C206	1-130-473-00	MYLAR 0.0015MF 10% 50V

Ref.No.	Part No.	Description			
C207	1-124-927-11	(Canadian,E,AEP,UK,WG) ...ELECT	4.7MF	20%	50V
C207	1-124-902-00	(US)...MYLAR	0.47MF	20%	50V
C208	1-124-477-11	ELECT	47MF	20%	16V
C209	1-162-286-31	(WG)...CERAMIC	220MF	10%	50V
C210	1-162-286-31	(WG)...CERAMIC	220MF	10%	50V
C211	1-162-286-31	(WG)...CERAMIC	220MF	10%	50V
C212	1-162-286-31	(WG)...CERAMIC	220MF	10%	50V
C213	1-162-286-31	(WG)...CERAMIC	220MF	10%	50V
C214	1-162-286-31	(WG)...CERAMIC	220MF	10%	50V
C215	1-162-286-31	(WG)...CERAMIC	220MF	10%	50V
C216	1-162-286-31	(WG)...CERAMIC	220MF	10%	50V
C217	1-162-286-31	(WG)...CERAMIC	220MF	10%	50V
C218	1-162-286-31	(WG)...CERAMIC	220MF	10%	50V
C219	1-162-286-31	(WG)...CERAMIC	220MF	10%	50V
C220	1-162-286-31	(WG)...CERAMIC	220MF	10%	50V
C300	1-124-927-11	ELECT	4.7MF	20%	50V
C301	1-124-927-11	ELECT	4.7MF	20%	50V
C303	1-124-927-11	ELECT	4.7MF	20%	50V
C304	1-124-477-11	ELECT	47MF	20%	16V
C307	1-102-963-00	CERAMIC	33PF	10%	50V
C308	1-124-927-11	ELECT	4.7MF	20%	50V
C309	1-136-154-00	MYLAR	0.012MF	10%	50V
C310	1-130-473-00	MYLAR	0.0015MF	10%	50V
C311	1-136-154-00	MYLAR	0.012MF	10%	50V
C312	1-162-282-31	CERAMIC	100PF	10%	50V
C313	1-101-880-00	CERAMIC	47PF	10%	50V
C314	1-124-927-11	ELECT	4.7MF	20%	50V
C400	1-124-927-11	ELECT	4.7MF	20%	50V
C401	1-124-927-11	ELECT	4.7MF	20%	50V
C403	1-124-927-11	ELECT	4.7MF	20%	50V
C404	1-124-477-11	ELECT	47MF	20%	16V
C407	1-102-963-00	CERAMIC	33PF	10%	50V
C408	1-124-927-11	ELECT	4.7MF	20%	50V
C409	1-124-927-11	ELECT	4.7MF	20%	50V
C409A	1-136-154-00	MYLAR	0.012MF	10%	50V
C410	1-130-473-00	MYLAR	0.0015MF	10%	50V
C411	1-136-154-00	MYLAR	0.012MF	10%	50V
C412	1-162-282-31	CERAMIC	100PF	10%	50V
C413	1-101-880-00	CERAMIC	47PF	10%	50V
C414	1-124-927-11	ELECT	4.7MF	20%	50V
C450	1-102-973-00	CERAMIC	100PF	10%	50V
C452	1-102-973-00	CERAMIC	100PF	10%	50V
C453	1-130-480-00	MYLAR	0.0056MF	10%	50V
C454	1-130-479-00	MYLAR	0.0047MF	10%	50V
C455	1-102-114-00	CERAMIC	470PF	10%	50V
C460	1-136-153-00	MYLAR	0.01MF	10%	50V
C461	1-131-353-00	TANTALUM	10MF	10%	25V
C462	1-102-110-00	CERAMIC	220PF	10%	50V
C463	1-130-480-00	MYLAR	0.0056MF	10%	50V
C464	1-130-479-00	MYLAR	0.0047MF	10%	50V
C465	1-102-114-00	CERAMIC	470PF	10%	50V
C466	1-124-927-11	ELECT	4.7MF	20%	50V
C467	1-101-004-00	CERAMIC	0.01MF		50V
C468	1-136-161-00	MYLAR	0.047MF	10%	50V
C469	1-101-004-00	CERAMIC	0.01MF		50V
C470	1-123-875-11	ELECT	10MF	20%	50V
C471	1-136-165-00	MYLAR	0.1MF	10%	50V

Ref.No.	Part No.	Description			
C472	1-136-171-00	FILM	0.33MF	5%	50V
C473	1-102-114-00	CERAMIC	470PF	10%	50V
C474	1-130-479-00	MYLAR	0.0047MF	10%	50V
C475	1-102-963-00	CERAMIC	33PF	10%	50V
C476	1-130-480-00	MYLAR	0.0056MF	10%	50V
C477	1-136-158-00	MYLAR	0.027MF	10%	50V
C478	1-124-499-11	ELECT	1MF	20%	50V
C479	1-124-499-11	ELECT	1MF	20%	50V
C480	1-102-114-00	CERAMIC	470PF	10%	50V
C481	1-130-481-00	MYLAR	0.0068MF	10%	50V
C482	1-162-207-31	CERAMIC	22PF	5%	50V
C483	1-162-207-31	CERAMIC	22PF	5%	50V
C484	1-124-499-11	ELECT	1MF	20%	50V
C485	1-126-233-11	ELECT	22MF	20%	25V
C486	1-106-375-12	FILM	0.022MF	5%	50V
C487	1-136-153-00	MYLAR	0.01MF	10%	50V
C488	1-136-173-00	FILM	0.47MF	5%	50V
C489	1-131-353-00	TANTALUM	10MF	20%	35V
C490	1-102-122-00	CERAMIC	0.0027MF	10%	50V
C500	1-102-973-00	CERAMIC	100PF	10%	50V
C501	1-124-477-11	ELECT	47MF	20%	16V
C503	1-102-963-00	CERAMIC	33PF	10%	50V
C504	1-124-902-00	ELECT	0.47MF	20%	50V
C505	1-124-252-00	ELECT	0.33MF	20%	50V
C506	1-123-875-11	ELECT	10MF	20%	50V
C507	1-124-927-11	ELECT	4.7MF	20%	50V
C508	1-123-875-11	ELECT	10MF	20%	50V
C509	1-124-499-11	ELECT	1MF	20%	50V
C511	1-124-910-11	ELECT	47MF	20%	50V
C512	1-102-233-00	CERAMIC	33PF	10%	500V
C514	1-136-163-00	MYLAR	0.068MF	10%	50V
C515	1-136-159-00	(US)...MYLAR	0.033MF	10%	50V
C515	1-136-163-00	(Canadian,AEP,UK,WG,E) ...MYLAR	0.068MF	10%	50V
C516	1-136-163-00	(Canadian,AEP,UK,WG,E) ...MYLAR	0.068MF	10%	50V
C517	1-162-815-00	(AEP,UK,WG) ...CERAMIC	47PF	5%	500V
C516	1-136-163-00	MYLAR	0.068MF	10%	50V
C550	1-136-153-00	(WG)...MYLAR	0.01MF	10%	50V
C551	1-136-153-00	(WG)...MYLAR	0.01MF	10%	50V
C552	1-136-153-00	(WG)...MYLAR	0.01MF	10%	50V
C553	1-136-161-00	(WG)...MYLAR	0.047MF	10%	50V
C600	1-102-973-00	CERAMIC	100PF	10%	50V
C601	1-124-477-11	ELECT	47MF	20%	16V
C603	1-102-963-00	CERAMIC	33PF	10%	50V
C604	1-124-902-00	ELECT	0.47MF	20%	50V
C605	1-124-252-00	ELECT	0.33MF	20%	50V
C607	1-124-927-11	ELECT	4.7MF	20%	50V
C609	1-124-499-11	ELECT	1MF	20%	50V
C611	1-124-910-11	ELECT	47MF	20%	50V
C612	1-102-233-00	CERAMIC	33PF	10%	500V
C614	1-136-163-00	MYLAR	0.068MF	10%	50V
C615	1-136-159-00	(US)...MYLAR	0.033MF	10%	50V
C615	1-136-163-00	(Canadian,AEP,UK,WG,E) ...MYLAR	0.068MF	10%	50V
C616	1-136-163-00	(Canadian,AEP,UK,WG,E) ...MYLAR	0.068MF	10%	50V
C617	1-162-815-00	(AEP,UK,WG) ...CERAMIC	47PF	5%	500V
C616	1-136-163-00	MYLAR	0.068MF	10%	50V
C650	1-136-153-00	(WG)...MYLAR	0.01MF	10%	50V
C651	1-136-153-00	(WG)...MYLAR	0.01MF	10%	50V
C652	1-136-153-00	(WG)...MYLAR	0.01MF	10%	50V
C653	1-136-161-00	(WG)...MYLAR	0.047MF	10%	50V
C700	1-102-973-00	CERAMIC	100PF	10%	50V

Ref.No.	Part No.	Description			
C701	1-124-477-11	ELECT	47MF	20%	16V
C702	1-102-110-00	CERAMIC	220PF	10%	50V
C703	1-124-902-00	ELECT	0.47MF	20%	50V
C704	1-124-443-00	ELECT	100MF	20%	10V
C705	1-124-927-11	ELECT	4.7MF	20%	50V
C706	1-124-910-11	ELECT	47MF	20%	50V
C707	1-136-153-00	MYLAR	0.01MF	5%	50V
C708	1-136-159-00	(US)...MYLAR	0.033MF	10%	50V
C708	1-136-163-00	(Canadian,AEP,UK,WG,E) ...MYLAR	0.068MF	10%	50V
C709	1-136-163-00	MYLAR	0.068MF	10%	50V
C710	1-124-477-11	ELECT	47MF	20%	16V
C711	1-124-443-00	ELECT	100MF	20%	6.3V
C712	1-123-875-11	ELECT	10MF	20%	50V
C713	1-124-477-11	ELECT	47MF	20%	16V
C714	1-124-499-11	ELECT	1MF	20%	50V
C715	1-101-005-00	CERAMIC	0.022MF		50V
C716	1-136-163-00	MYLAR	0.068MF	10%	50V
C717	1-136-163-00	MYLAR	0.068MF	10%	50V
C719	1-102-110-00	CERAMIC	220PF	10%	50V
C750	1-136-153-00	(WG)...MYLAR	0.01MF	10%	50V
C753	1-136-161-00	(WG)...MYLAR	0.047MF	10%	50V
C800	1-125-479-11	(AEP,UK,WG) ....ELECT	10000MF	20%	63V
C800	1-125-522-11	(US,Canadian,E) ....ELECT	12000MF	20%	71V
C801	1-125-479-11	(AEP,UK,WG) ....ELECT	10000MF	20%	63V
C801	1-125-522-11	(US,Canadian,E) ....ELECT	12000MF	20%	71V
C802	1-124-915-11	(US,Canadian,E) ....ELECT	10MF	20%	63V
C803	1-124-915-11	(US,Canadian,E) ....ELECT	10MF	20%	63V
C804	1-124-026-00	ELECT	3300MF	20%	35V
C805	1-124-026-00	ELECT	3300MF	20%	35V
C806	1-124-557-11	ELECT	1000MF	20%	25V
C807	1-124-557-11	ELECT	1000MF	20%	25V
C808	1-123-875-11	ELECT	10MF	20%	50V
C809	1-123-875-11	ELECT	10MF	20%	50V
C810	1-123-875-11	ELECT	10MF	20%	50V
C811	1-124-477-11	ELECT	47MF	20%	25V
C812	1-124-477-11	ELECT	47MF	20%	25V
C813	1-124-477-11	ELECT	47MF	20%	16V
C814	1-124-477-11	ELECT	47MF	20%	16V
C815	1-124-480-11	ELECT	470MF	20%	25V
C816	1-123-875-11	ELECT	10MF	20%	50V
C817	1-123-875-11	ELECT	10MF	20%	50V
C818	1-123-875-11	(E)...ELECT	10MF	20%	50V
C819A	1-124-572-11	ELECT	100MF	20%	63V
C819	1-126-233-11	ELECT	22MF	20%	50V
C820	1-124-572-11	ELECT	100MF	20%	63V
C821	1-123-875-11	ELECT	10MF	20%	50V
C822	1-106-375-12	MYLAR	0.022MF	10%	100V
C823	1-106-375-12	MYLAR	0.022MF	10%	100V
C824	1-101-005-00	CERAMIC	0.022MF		50V
C825	1-124-927-11	ELECT	4.7MF	20%	50V
C900	1-136-153-00	MYLAR	0.01MF	10%	50V
C901	1-162-282-31	CERAMIC	100PF	10%	50V
C902	1-162-282-31	CERAMIC	100PF	10%	50V
C903	1-124-893-11	ELECT	2200MF	20%	10V
C904	1-124-927-11	ELECT	4.7MF	20%	50V

Ref.No.	Part No.	Description			
C905	1-124-463-00	ELECT	0.1MF	20%	50V
C906	1-124-499-11	ELECT	1MF	20%	50V
C907	1-124-925-11	ELECT	2.2MF	20%	50V
C908	1-124-925-11	ELECT	2.2MF	20%	50V
C909	1-130-471-00	MYLAR	0.001MF	10%	50V
C910	1-161-379-00	CERAMIC	0.01MF	20%	16V
C911	1-161-379-00	CERAMIC	0.01MF	20%	16V
C913	1-124-443-00	ELECT	100MF	20%	6.3V
C914	1-161-494-00	CERAMIC	0.022MF	30%	25V
C915	1-161-377-00	CERAMIC	0.0047MF	30%	16V
CNJ1 ⚠	1-526-794-11	(AEP,WG).....OUTLET, AC			
CNJ1 ⚠	1-526-751-00	(UK).....OUTLET, AC			
CNJ1 ⚠	1-540-043-11	(E).....OUTLET, AC (NONPLAR) (3P)			
CNJ1 ⚠	1-540-062-11	(US,Canadian)...OUTLET, AC (POLAR)			
CNJ609*	1-564-505-11	PLUG, CONNECTOR 2P			
CNJ701*	1-565-439-11	PIN, CONNECTOR (PCB) 10P			
CNJ702*	1-565-344-11	PIN, CONNECTOR (PC BOARD) 8P			
CNJ703*	1-565-440-11	PIN, CONNECTOR (PCB) 12P			
CNJ704*	1-565-344-11	PIN, CONNECTOR (PC BOARD) 8P			
CNJ705*	1-564-104-00	PIN, CONNECTOR 3P			
CNJ706*	1-564-242-00	PIN, CONNECTOR 5P			
CNJ801*	1-564-501-11	PIN, CONNECTOR 8P			
CNJ802*	1-564-502-11	PIN, CONNECTOR 10P			
CNJ803*	1-564-502-11	PIN, CONNECTOR 10P			
CNJ804*	1-564-497-11	PIN, CONNECTOR 4P			
CNJ805*	1-508-980-11	PIN, CONNECTOR			
CNJ901	1-566-213-11	PIN, CONNECTOR 4P			
CNP301*	1-564-511-11	PLUG, CONNECTOR 8P			
CNP302*	1-564-505-11	PLUG, CONNECTOR 2P			
CNP303*	1-564-506-11	PLUG, CONNECTOR 3P			
CNP305*	1-564-506-11	PLUG, CONNECTOR 3P			
CNP306*	1-564-506-11	PLUG, CONNECTOR 3P			
CNP503*	1-564-509-11	PLUG, CONNECTOR 6P			
CNP701*	1-564-511-11	PLUG, CONNECTOR 8P			
CNP700*	1-564-510-11	PLUG, CONNECTOR 7P			
CNP812*	1-564-505-11	PLUG, CONNECTOR 2P			
CNS701*	1-565-438-11	SOCKET, CONNECTOR (PCB) 10P			
CNS702*	1-565-347-11	SOCKET, CONNECTOR (PC BOARD) 8P			
CNS703*	1-565-441-11	SOCKET, CONNECTOR (PCB) 12P			
CNS704*	1-565-347-11	SOCKET, CONNECTOR (PC BOARD) 8P			
CNS805	1-561-115-00	SOCKET, CONNECTOR 6P			
CP1 ⚠	1-551-188-XX	(E).....CORD, POWER			
CP1 ⚠	1-555-750-00	(AEP,WG).....CORD, POWER			
CP1 ⚠	1-556-035-00	(UK).....CORD, POWER			
CP1 ⚠	1-557-577-11	(US,Canadian)...CORD, POWER			
D450	8-719-000-26	DIODE US1060M			
D500	8-719-000-26	(E)...DIODE US1060M			
D501	8-719-815-85	DIODE 1S1585			
D502	8-719-815-85	DIODE 1S1585			
D600	8-719-000-26	(E)...DIODE US1060M			
D601	8-719-815-85	DIODE 1S1585			
D602	8-719-815-85	DIODE 1S1585			
D700	8-719-000-26	DIODE US1060M			
D701	8-719-000-26	DIODE US1060M			
D702	8-719-000-26	DIODE US1060M			
D703	8-719-000-26	DIODE US1060M			
D704	8-719-000-26	(Canadian,E,AEP,UK,WG)...DIODE US1060M			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifé.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description
D705	8-719-000-26	DIODE US1060M
D706	8-719-000-26	DIODE US1060M
D800	8-719-302-38	DIODE RBV-602-01
D801	8-719-002-51	(US,Canadian,E)...DIODE UZL-30L
D802	8-719-002-51	DIODE UZL-30L
D803	8-719-002-51	DIODE UZL-30L
D804A	8-719-002-51	(US,Canadian,E)...DIODE UZL-30L
D804	8-719-303-00	DIODE SEL2510
D805 ⚠	8-719-200-77	(US,Canadian)...DIODE 10E2N
D805 ⚠	8-719-511-40	(E,AEP,UK,WG)...DIODE S1VB10-S
D806	8-719-312-09	DIODE RBA-402
D807A	8-719-301-38	(E,AEP,UK,WG)...DIODE SEL2210S-C
D807	8-719-511-40	DIODE S1VB10-S
D808	8-719-001-60	(AEP,UK,WG).....DIODE UZL-12L1
D808	8-719-001-91	(US,Canadian,E)...DIODE UZL-15M
D809	8-719-001-60	(AEP,UK,WG).....DIODE UZL-12L1
D809	8-719-001-91	(US,Canadian,E)...DIODE UZL-15M
D810	8-719-000-51	DIODE UZL-6L2
D900	8-719-000-26	DIODE US1060M
D901	8-719-000-26	DIODE US1060M
D902	8-719-301-60	DIODE SEL2910A-C
D903	8-719-301-60	DIODE SEL2910A-C
D904	8-719-301-60	DIODE SEL2910A-C
D905	8-719-301-60	DIODE SEL2910A-C
D906	8-719-301-38	(US,Canadian,E)...DIODE SEL2210S-C
D906	8-719-303-00	(AEP,UK,WG).....DIODE SEL2510C
D907	8-719-301-38	(US,Canadian,E)...DIODE SEL2210S-C
D907	8-719-303-00	(AEP,UK,WG).....DIODE SEL2510C
D908	8-719-301-38	(US,Canadian,E)...DIODE SEL2210S-C
D908	8-719-303-00	(AEP,UK,WG).....DIODE SEL2510C
D909	8-719-301-38	(US,Canadian,E)...DIODE SEL2210S-C
D909	8-719-303-00	(AEP,UK,WG).....DIODE SEL2510C
D910	8-719-301-38	(US,Canadian,E)...DIODE SEL2210S-C
D910	8-719-303-00	(AEP,UK,WG).....DIODE SEL2510C
D911	8-719-301-38	(US,Canadian,E)...DIODE SEL2210S-C
D911	8-719-303-00	(AEP,UK,WG).....DIODE SEL2510C
D912	8-719-301-38	(US,Canadian,E)...DIODE SEL2210S-C
D912	8-719-303-00	(AEP,UK,WG).....DIODE SEL2510C
D913	8-719-301-38	(US,Canadian,E)...DIODE SEL2210S-C
D913	8-719-303-00	(AEP,UK,WG).....DIODE SEL2510C
D914	8-719-000-26	DIODE US1060M
D915	8-719-000-26	DIODE US1060M
D916	8-719-000-26	DIODE US1060M
D917	8-719-000-51	DIODE UZL-6L2
D918	8-719-200-77	DIODE 10E2N
D919	8-719-301-52	DIODE SEL2810A-C
D922	8-719-000-26	DIODE US1060M
D923	8-719-310-03	DIODE SEL4925A-C
D924	8-719-310-03	DIODE SEL4925A-C
D925	8-719-310-03	DIODE SEL4925A-C
D929	8-719-000-26	DIODE US1060M
D930	8-719-000-26	DIODE US1060M
D931	8-719-000-26	(AEP,UK,WG)...DIODE US1060M
D932	8-719-000-26	(AEP,UK,WG)...DIODE US1060M
F1	1-532-237-00	(AEP,UK,WG,E)...FUSE, TIME-LAG (3.15A)
F1	1-532-748-11	(US,Canadian)...FUSE, GLASS TUBE (6.3A)
F2	1-532-237-00	(E).....FUSE, TIME-LAG (3.15A)
F2	1-532-286-00	(AEP,UK,WG)...FUSE, TIME-LAG (2.5A)
F3	1-532-782-21	(US,Canadian)..FUSE, MICRO(SECONDARY)4A
F4	1-532-782-21	(US,Canadian)..FUSE, MICRO(SECONDARY)4A
IC50	8-759-208-08	IC TC4052BPHB
IC51	8-759-208-08	IC TC4052BPHB
IC100	8-759-600-02	IC M5218L
IC101	8-759-805-14	IC LC7822
IC102	8-759-601-43	IC M4066BP
IC202	8-759-601-43	IC M4066BP
IC300	8-759-601-43	IC M4066BP
IC301	8-759-600-02	IC M5218L
IC302	8-759-600-02	IC M5218L
IC303	8-759-600-02	IC M5218L
IC450	8-759-600-02	IC M5218L
IC451	8-759-600-02	IC M5218L
IC452	8-759-983-12	IC YM3428
IC453	8-759-600-02	IC M5218L
IC454	8-759-929-37	IC NE646N
IC500	8-759-600-02	IC M5218L
IC501	8-759-109-06	(AEP,UK,WG).....IC UPC1298V
IC501	8-759-144-04	(US,Canadian,E)...IC UPC1342V
IC601	8-759-109-06	(AEP,UK,WG).....IC UPC1298V
IC601	8-759-144-04	(US,Canadian,E)...IC UPC1342V
IC700	8-759-600-02	IC M5218L
IC701	8-749-920-76	IC SI-18752
IC703	8-759-111-68	IC UPC1237HA
IC800	8-759-982-10	IC RC7809FA
IC801	8-759-604-49	IC M5F7909
IC802	8-759-604-49	IC M5F7909
IC803	8-759-604-33	(E)...IC M5F7812
IC804	8-759-604-29	IC M5F7805
IC900	8-759-632-87	IC M50720-129
IC901	8-759-820-62	IC LB1639
IC902	8-749-920-83	IC GP1U52XB
ICP3	1-532-845-21	(E,AEP,UK,WG)...LINK, IC 4A
ICP4	1-532-845-21	(E,AEP,UK,WG)...LINK, IC 4A
J50	1-563-136-31	(E,AEP,UK,WG)..JACK, PIN 3P(VIDEO 4 IN)
J51	1-565-351-21	(E,AEP,UK,WG)..JACK, PIN 3P (VIDEO 3 IN,VIDEO 2 IN & OUT)
J52	1-565-351-21	(E,AEP,UK,WG)...JACK, PIN 3P (VIDEO 1 IN & OUT,MONITOR)
J53	1-566-846-11	CONNECTOR, (S) TERMINAL 4P(VIDEO 3 IN)
J54	1-566-846-11	CONNECTOR, (S) TERMINAL 4P(VIDEO 2 OUT)
J55	1-566-846-11	CONNECTOR, (S) TERMINAL 4P(VIDEO 2 IN)
J56	1-566-846-11	CONNECTOR, (S) TERMINAL 4P(VIDEO 1 OUT)
J57	1-566-846-11	CONNECTOR, (S) TERMINAL 4P(VIDEO 1 IN)
J58	1-566-846-11	CONNECTOR, (S) TERMINAL 4P(MONITOR OUT)
J100	1-565-320-11	(E,AEP,UK,WG)...JACK, PIN 6P (PHONO IN,TUNER IN,CDIN)
J101	1-565-320-11	(E,AEP,UK,WG)...JACK, PIN 6P (TAPE/DAT REC OUT & IN,VIDEO 3/CDV IN)
J102	1-565-258-11	(E,AEP,UK,WG)...JACK, PIN 4P (VIDEO 2 IN & OUT)
J103	1-565-258-11	(E,AEP,UK,WG)...JACK, PIN 4P (VIDEO 1 IN & OUT)
J104	1-563-562-11	(E,AEP,UK,WG)...JACK, PIN 4P (GRAPHIC EQ IN & OUT)
J500	1-507-932-11	(E,AEP,UK,WG)...JACK (HEADPHONES)

Ref.No.	Part No.	Description
L500	*1-420-872-00	COIL, AIR CORE
L600	*1-420-872-00	COIL, AIR CORE
L700	*1-420-872-00	COIL, AIR CORE
L800	1-408-080-00	INDUCTOR 100UH
Q50	8-729-119-76	TRANSISTOR 2SA1175HFE
Q51	8-729-119-76	TRANSISTOR 2SA1175HFE
Q52	8-729-119-76	TRANSISTOR 2SA1175HFE
Q53	8-729-119-76	TRANSISTOR 2SA1175HFE
Q54	8-729-119-76	TRANSISTOR 2SA1175HFE
Q55	8-729-119-76	TRANSISTOR 2SA1175HFE
Q56	8-729-119-76	TRANSISTOR 2SA1175HFE
Q57	8-729-119-76	TRANSISTOR 2SA1175HFE
Q58	8-729-119-76	TRANSISTOR 2SA1175HFE
Q500	8-729-107-98	TRANSISTOR 2SC3622A
Q501	8-729-108-06	TRANSISTOR 2SA1841
Q502	8-729-224-61	TRANSISTOR 2SK246Y
Q503	8-729-107-25	TRANSISTOR 2SD1585-L
Q504	8-729-320-03	(US,Canadian,E)..TRANSISTOR 2SC2921M-O
Q504	8-729-321-21	(AEP,UK,WG).....TRANSISTOR 2SC4387
Q505	8-729-300-22	(US,Canadian,E)...TRANSISTOR 2SA1215
Q505	8-729-321-24	(AEP,UK,WG).....TRANSISTOR 2SA1672
Q506	8-729-119-78	TRANSISTOR 2SC2785HFE
Q507	8-729-119-78	TRANSISTOR 2SC2785HFE
Q508	8-729-119-76	TRANSISTOR 2SA1175HFE
Q600	8-729-107-98	TRANSISTOR 2SC3622A
Q601	8-729-108-06	TRANSISTOR 2SA1841
Q602	8-729-224-61	TRANSISTOR 2SK246Y
Q603	8-729-107-25	TRANSISTOR 2SD1585-L
Q604	8-729-320-03	(US,Canadian,E)..TRANSISTOR 2SC2921M-O
Q604	8-729-321-21	(AEP,UK,WG).....TRANSISTOR 2SC4387
Q605	8-729-300-22	(US,Canadian,E)...TRANSISTOR 2SA1215
Q605	8-729-321-24	(AEP,UK,WG).....TRANSISTOR 2SA1672
Q606	8-729-119-78	TRANSISTOR 2SC2785HFE
Q607	8-729-119-78	TRANSISTOR 2SC2785HFE
Q608	8-729-119-76	TRANSISTOR 2SA1175HFE
Q700	8-729-107-98	TRANSISTOR 2SC3622A
Q701	8-729-108-06	TRANSISTOR 2SA1841
Q702	8-729-900-61	TRANSISTOR DTA114ES
Q703	8-729-119-76	TRANSISTOR 2SA1175HFE
Q704	8-729-119-78	TRANSISTOR 2SC2785HFE
Q705	8-729-900-63	TRANSISTOR DTA124ES
Q706	8-729-107-98	TRANSISTOR 2SC3622A
Q707	8-729-107-98	TRANSISTOR 2SC3622A
Q708	8-729-107-98	TRANSISTOR 2SC3622A
Q800	8-729-111-55	(US,Canadian,E)...TRANSISTOR 2SD1312
Q801	8-729-111-52	(US,Canadian,E)...TRANSISTOR 2SB984
Q802	8-729-801-93	TRANSISTOR 2SD1387-3
Q803	8-729-119-78	TRANSISTOR 2SC2785HFE
Q804	8-729-119-76	TRANSISTOR 2SA1175HFE
Q900	8-729-900-36	TRANSISTOR DTC124ES
Q901	8-729-900-63	TRANSISTOR DTA124ES
Q902	8-729-900-36	TRANSISTOR DTC124ES
Q903	8-729-900-63	TRANSISTOR DTA124ES
Q904	8-729-900-63	TRANSISTOR DTA124ES
Q905	8-729-900-36	TRANSISTOR DTC124ES
Q906	8-729-900-63	TRANSISTOR DTA124ES

Ref.No.	Part No.	Description
Q907	8-729-900-63	TRANSISTOR DTA124ES
Q908	8-729-900-63	TRANSISTOR DTA124ES
Q909	8-729-900-36	TRANSISTOR DTC124ES
Q910	8-729-900-63	TRANSISTOR DTA124ES
Q911	8-729-900-63	TRANSISTOR DTA124ES
Q912	8-729-900-63	TRANSISTOR DTA124ES
Q913	8-729-900-63	TRANSISTOR DTA124ES
Q914	8-729-900-63	TRANSISTOR DTA124ES
Q915	8-729-900-63	TRANSISTOR DTA124ES
Q916	8-729-900-80	TRANSISTOR DTC114ES
Q917	8-729-900-63	(US,Canadian,E)...TRANSISTOR DTA124ES
Q918	8-729-107-98	(AEP,UK,WG).....TRANSISTOR 2SC3622A
Q920	8-729-900-63	TRANSISTOR DTA124ES
Q921	8-729-900-63	TRANSISTOR DTA124ES
Q922	8-729-900-63	TRANSISTOR DTA124ES
Q923	8-729-900-63	TRANSISTOR DTA124ES
Q924	8-729-900-63	TRANSISTOR DTA124ES
Q925	8-729-900-63	TRANSISTOR DTA124ES
Q926	8-729-900-63	TRANSISTOR DTA124ES
Q927	8-729-119-78	TRANSISTOR 2SC2785HFE
Q928	8-729-119-78	TRANSISTOR 2SC2785HFE
Q929	8-729-900-36	TRANSISTOR DTC124ES
Q930	8-729-900-63	TRANSISTOR DTA124ES
Q931	8-729-119-78	TRANSISTOR 2SC2785HFE
R41	1-249-405-11	CARBON 100 5% 1/4W
R42	1-249-405-11	CARBON 100 5% 1/4W
R43	1-249-405-11	CARBON 100 5% 1/4W
R44	1-249-405-11	CARBON 100 5% 1/4W
R45	1-249-405-11	CARBON 100 5% 1/4W
R46	1-249-405-11	CARBON 100 5% 1/4W
R47	1-249-405-11	CARBON 100 5% 1/4W
R48	1-249-405-11	CARBON 100 5% 1/4W
R49	1-249-405-11	CARBON 100 5% 1/4W
R50	1-247-804-11	CARBON 75 5% 1/4W
R51	1-247-804-11	CARBON 75 5% 1/4W
R52	1-247-804-11	CARBON 75 5% 1/4W
R53	1-247-804-11	CARBON 75 5% 1/4W
R54	1-247-804-11	CARBON 75 5% 1/4W
R55	1-247-804-11	CARBON 75 5% 1/4W
R56	1-247-804-11	CARBON 75 5% 1/4W
R57	1-247-804-11	CARBON 75 5% 1/4W
R58	1-247-804-11	CARBON 75 5% 1/4W
R59	1-247-804-11	CARBON 75 5% 1/4W
R60	1-247-804-11	CARBON 75 5% 1/4W
R61	1-247-895-00	CARBON 470K 5% 1/4W
R62	1-249-433-11	CARBON 22K 5% 1/4W
R63	1-249-433-11	CARBON 22K 5% 1/4W
R64	1-247-881-00	CARBON 120K 5% 1/4W
R65	1-249-433-11	CARBON 22K 5% 1/4W
R66	1-249-438-11	CARBON 56K 5% 1/4W
R67	1-249-408-11	CARBON 180 5% 1/4W
R68	1-247-881-00	CARBON 120K 5% 1/4W
R69	1-249-438-11	CARBON 56K 5% 1/4W
R70	1-249-433-11	CARBON 22K 5% 1/4W
R71	1-249-408-11	CARBON 180 5% 1/4W
R72	1-247-881-00	CARBON 120K 5% 1/4W
R73	1-249-438-11	CARBON 56K 5% 1/4W
R74	1-249-408-11	CARBON 180 5% 1/4W

Ref.No.	Part No.	Description			
R75	1-247-881-00	CARBON	120K	5%	1/4W
R76	1-249-438-11	CARBON	56K	5%	1/4W
R77	1-249-433-11	CARBON	22K	5%	1/4W
R78	1-249-408-11	CARBON	180	5%	1/4W
R79	1-247-881-00	CARBON	120K	5%	1/4W
R80	1-249-438-11	CARBON	56K	5%	1/4W
R81	1-249-433-11	CARBON	22K	5%	1/4W
R82	1-249-408-11	CARBON	180	5%	1/4W
R83	1-247-881-00	CARBON	120K	5%	1/4W
R84	1-249-438-11	CARBON	56K	5%	1/4W
R85	1-249-408-11	CARBON	180	5%	1/4W
R86	1-247-881-00	CARBON	120K	5%	1/4W
R87	1-249-438-11	CARBON	56K	5%	1/4W
R88	1-249-433-11	CARBON	22K	5%	1/4W
R89	1-249-408-11	CARBON	180	5%	1/4W
R90	1-247-881-00	CARBON	120K	5%	1/4W
R91	1-249-438-11	CARBON	56K	5%	1/4W
R92	1-249-433-11	CARBON	22K	5%	1/4W
R93	1-249-408-11	CARBON	180	5%	1/4W
R94	1-247-881-00	CARBON	120K	5%	1/4W
R95	1-249-438-11	CARBON	56K	5%	1/4W
R96	1-249-408-11	CARBON	180	5%	1/4W
R97	1-247-895-00	CARBON	470K	5%	1/4W
R98	1-247-895-00	CARBON	470K	5%	1/4W
R100	1-249-418-11	(WG)...CARBON	1.2K	5%	1/4W
R101	1-249-441-11	CARBON	100K	5%	1/4W
R102	1-249-411-11	(US,Canadian,E,AEP,UK) ...CARBON	330	5%	1/4W
R102	1-249-413-11	(WG)...CARBON	470	5%	1/4W
R103	1-249-441-11	CARBON	100K	5%	1/4W
R104	1-249-416-11	CARBON	820	5%	1/4W
R105	1-247-897-11	CARBON	560K	5%	1/4W
R106	1-249-437-11	CARBON	47K	5%	1/4W
R107	1-249-441-11	CARBON	100K	5%	1/4W
R108	1-249-409-11	CARBON	220	5%	1/4W
R109	1-249-418-11	CARBON	1.2K	5%	1/4W
R110	1-249-418-11	CARBON	1.2K	5%	1/4W
R111	1-249-413-11	CARBON	470	5%	1/4W
R112	1-249-418-11	CARBON	1.2K	5%	1/4W
R113	1-249-418-11	CARBON	1.2K	5%	1/4W
R114	1-249-418-11	CARBON	1.2K	5%	1/4W
R115	1-249-413-11	CARBON	470	5%	1/4W
R116	1-249-418-11	CARBON	1.2K	5%	1/4W
R117	1-249-413-11	CARBON	470	5%	1/4W
R118	1-249-418-11	CARBON	1.2K	5%	1/4W
R119	1-249-413-11	CARBON	470	5%	1/4W
R120	1-249-418-11	CARBON	1.2K	5%	1/4W
R121	1-249-429-11	CARBON	10K	5%	1/4W
R122	1-249-433-11	CARBON	22K	5%	1/4W
R123	1-249-433-11	CARBON	22K	5%	1/4W
R124	1-249-433-11	CARBON	22K	5%	1/4W
R201	1-249-441-11	CARBON	100K	5%	1/4W
R200	1-249-418-11	(WG)...CARBON	1.2K	5%	1/4W
R202	1-249-411-11	(US,Canadian,E,AEP,UK) ...CARBON	330	5%	1/4W
R202	1-249-413-11	(WG)...CARBON	470	5%	1/4W

Ref.No.	Part No.	Description			
R203	1-249-441-11	CARBON	100K	5%	1/4W
R204	1-249-416-11	CARBON	820	5%	1/4W
R205	1-247-897-11	CARBON	560K	5%	1/4W
R206	1-249-437-11	CARBON	47K	5%	1/4W
R207	1-249-441-11	CARBON	100K	5%	1/4W
R208	1-249-409-11	CARBON	220	5%	1/4W
R209	1-249-418-11	CARBON	1.2K	5%	1/4W
R210	1-249-418-11	CARBON	1.2K	5%	1/4W
R211	1-249-413-11	CARBON	470	5%	1/4W
R212	1-249-418-11	CARBON	1.2K	5%	1/4W
R213	1-249-418-11	CARBON	1.2K	5%	1/4W
R214	1-249-418-11	CARBON	1.2K	5%	1/4W
R215	1-249-413-11	CARBON	470	5%	1/4W
R216	1-249-418-11	CARBON	1.2K	5%	1/4W
R217	1-249-413-11	CARBON	470	5%	1/4W
R218	1-249-418-11	CARBON	1.2K	5%	1/4W
R219	1-249-413-11	CARBON	470	5%	1/4W
R220	1-249-418-11	CARBON	1.2K	5%	1/4W
R300	1-249-417-11	CARBON	1K	5%	1/4W
R301	1-249-438-11	CARBON	56K	5%	1/4W
R305	1-249-429-11	CARBON	10K	5%	1/4W
R306	1-249-429-11	CARBON	10K	5%	1/4W
R307	1-249-429-11	CARBON	10K	5%	1/4W
R310	1-247-887-00	CARBON	220K	5%	1/4W
R311	1-249-436-11	CARBON	39K	5%	1/4W
R312	1-249-425-11	CARBON	4.7K	5%	1/4W
R313	1-249-417-11	CARBON	1K	5%	1/4W
R315	1-247-870-11	CARBON	43K	5%	1/4W
R316	1-249-431-11	CARBON	15K	5%	1/4W
R317	1-247-870-11	CARBON	43K	5%	1/4W
R318	1-249-403-11	CARBON	68	5%	1/4W
R400	1-249-417-11	CARBON	1K	5%	1/4W
R401	1-249-438-11	CARBON	56K	5%	1/4W
R405	1-249-429-11	CARBON	10K	5%	1/4W
R406	1-249-429-11	CARBON	10K	5%	1/4W
R407	1-249-429-11	CARBON	10K	5%	1/4W
R408	1-249-429-11	CARBON	10K	5%	1/4W
R409	1-249-429-11	CARBON	10K	5%	1/4W
R410	1-247-887-00	CARBON	220K	5%	1/4W
R411	1-249-436-11	CARBON	39K	5%	1/4W
R412	1-249-425-11	CARBON	4.7K	5%	1/4W
R413	1-249-417-11	CARBON	1K	5%	1/4W
R415	1-247-870-11	CARBON	43K	5%	1/4W
R416	1-249-431-11	CARBON	15K	5%	1/4W
R417	1-247-870-11	CARBON	43K	5%	1/4W
R418	1-249-403-11	CARBON	68	5%	1/4W
R450	1-249-429-11	CARBON	10K	5%	1/4W
R451	1-249-429-11	CARBON	10K	5%	1/4W
R452	1-249-428-11	CARBON	8.2K	5%	1/4W
R453	1-249-428-11	CARBON	8.2K	5%	1/4W
R454	1-249-431-11	CARBON	15K	5%	1/4W
R455	1-249-428-11	CARBON	8.2K	5%	1/4W
R457	1-249-437-11	CARBON	47K	5%	1/4W
R459	1-247-903-00	CARBON	1M	5%	1/4W
R460	1-249-417-11	CARBON	1K	5%	1/4W
R466	1-247-887-00	CARBON	220K	5%	1/4W
R467	1-249-428-11	CARBON	8.2K	5%	1/4W

Ref.No.	Part No.	Description				
R468	1-249-428-11	CARBON	8.2K	5%	1/4W	
R469	1-249-431-11	CARBON	15K	5%	1/4W	
R470	1-249-428-11	CARBON	8.2K	5%	1/4W	
R471	1-249-420-11	CARBON	1.8K	5%	1/4W	
R473	1-247-889-00	CARBON	270K	5%	1/4W	
R474	1-247-885-00	CARBON	180K	5%	1/4W	
R475	1-249-439-11	CARBON	68K	5%	1/4W	
R476	1-249-433-11	CARBON	22K	5%	1/4W	
R477	1-249-435-11	CARBON	33K	5%	1/4W	
R478	1-249-437-11	CARBON	47K	5%	1/4W	
R479	1-249-433-11	CARBON	22K	5%	1/4W	
R480	1-249-408-11	CARBON	180	5%	1/4W	
R481	1-249-423-11	CARBON	3.3K	5%	1/4W	
R482	1-249-405-11	CARBON	100	5%	1/4W	
R500	1-249-438-11	CARBON	56K	5%	1/4W	
R501	1-249-424-11	CARBON	3.9K	5%	1/4W	
R502	1-247-860-11	CARBON	16K	5%	1/4W	
R503	1-249-426-11	(US,Canadian,E) ...CARBON	5.6K	5%	1/4W	
R504	1-249-441-11	(US,Canadian,E) ...CARBON	100K	5%	1/4W	
R505	1-249-415-11	(US,Canadian,E) ...CARBON	680	5%	1/4W	
R506	1-249-438-11	(US,Canadian,E) ...CARBON	56K	5%	1/4W	
R507	1-249-412-11	(US,Canadian,E) ...CARBON	390	5%	1/4W	
R509	1-249-441-11	(US,Canadian,E) ...CARBON	100K	5%	1/4W	
R510	1-249-429-11	(US,Canadian,E) ...CARBON	10K	5%	1/4W	
R511	1-249-441-11	(US,Canadian,E) ...CARBON	100K	5%	1/4W	
R512	1-249-417-11	CARBON	1K	5%	1/4W	
R513	1-249-421-11	CARBON	2.2K	5%	1/4W	
R514	1-249-417-11	CARBON	1K	5%	1/4W	
R515	1-249-438-11	CARBON	56K	5%	1/4W	
R516 ⚠	1-249-417-11	CARBON	1K	5%	1/4W	
R517	1-249-419-11	CARBON	1.5K	5%	1/4W	
R518	1-249-423-11	CARBON	3.3K	5%	1/4W	
R519	1-249-431-11	CARBON	15K	5%	1/4W	
R520	1-249-438-11	CARBON	56K	5%	1/4W	
R521 ⚠	1-247-688-11	CARBON	10	5%	1/4W	F
R522 ⚠	1-247-688-11	CARBON	10	5%	1/4W	F
R523	1-249-430-11	CARBON	12K	5%	1/4W	
R524	1-214-789-00	METAL PLATE	0.1	10%	5W	
R525 ⚠	1-247-700-11	CARBON	100	5%	1/4W	F
R526	1-214-789-00	METAL PLATE	0.1	10%	5W	
R527	1-247-727-11	CARBON	10	5%	1/2W	
R528	1-247-727-11	CARBON	10	5%	1/2W	
R529	1-249-437-11	CARBON	47K	5%	1/4W	
R530 ⚠	1-247-713-11	(US,Canadian,E) ...CARBON	1K	5%	1/4W	F
R531 ⚠	1-247-713-11	(US,Canadian,E) ...CARBON	1K	5%	1/4W	F
R532	1-249-438-11	CARBON	56K	5%	1/4W	
R533	1-247-903-00	CARBON	1M	5%	1/4W	
R534	1-249-421-11	CARBON	2.2K	5%	1/4W	

Ref.No.	Part No.	Description				
R550	1-249-482-11	(WG)...CARBON	4.7	5%	1/2W	
R551	1-249-482-11	(WG)...CARBON	4.7	5%	1/2W	
R552	1-249-482-11	(WG)...CARBON	4.7	5%	1/2W	
R560 ⚠	1-216-431-11	METAL OXIDE	560	5%	1W	F
R600	1-249-438-11	CARBON	56K	5%	1/4W	
R601	1-249-424-11	CARBON	3.9K	5%	1/4W	
R602	1-247-860-11	CARBON	16K	5%	1/4W	
R603	1-249-426-11	(US,Canadian,E) ...CARBON	5.6K	5%	1/4W	
R604	1-249-441-11	(US,Canadian,E) ...CARBON	100K	5%	1/4W	
R605	1-249-415-11	(US,Canadian,E) ...CARBON	680	5%	1/4W	
R606	1-249-438-11	(US,Canadian,E) ...CARBON	56K	5%	1/4W	
R607	1-249-412-11	(US,Canadian,E) ...CARBON	390	5%	1/4W	
R608	1-249-437-11	(US,Canadian,E) ...CARBON	47K	5%	1/4W	
R611	1-249-441-11	(US,Canadian,E) ...CARBON	100K	5%	1/4W	
R612	1-249-417-11	CARBON	1K	5%	1/4W	
R613	1-249-421-11	CARBON	2.2K	5%	1/4W	
R614	1-249-417-11	CARBON	1K	5%	1/4W	
R615	1-249-438-11	CARBON	56K	5%	1/4W	
R616 ⚠	1-249-417-11	CARBON	1K	5%	1/4W	F
R617	1-249-419-11	CARBON	1.5K	5%	1/4W	
R618	1-249-423-11	CARBON	3.3K	5%	1/4W	
R619	1-249-431-11	CARBON	15K	5%	1/4W	
R620	1-249-438-11	CARBON	56K	5%	1/4W	
R621 ⚠	1-247-688-11	CARBON	10	5%	1/4W	F
R622 ⚠	1-247-688-11	CARBON	10	5%	1/4W	F
R623	1-249-430-11	CARBON	12K	5%	1/4W	
R624	1-214-789-00	METAL PLATE	0.1	10%	5W	
R625 ⚠	1-247-700-11	CARBON	100	5%	1/4W	F
R626	1-214-789-00	METAL PLATE	0.1	10%	5W	
R627	1-247-727-11	CARBON	10	5%	1/2W	
R628	1-247-727-11	CARBON	10	5%	1/2W	
R629	1-249-438-11	CARBON	56K	5%	1/4W	
R630 ⚠	1-247-713-11	CARBON	1K	5%	1/4W	F
R631 ⚠	1-247-713-11	CARBON	1K	5%	1/4W	F
R632	1-249-438-11	CARBON	56K	5%	1/4W	
R633	1-247-903-00	CARBON	1M	5%	1/4W	
R650	1-249-482-11	(WG)...CARBON	4.7	5%	1/2W	
R651	1-249-482-11	(WG)...CARBON	4.7	5%	1/2W	
R652	1-249-482-11	(WG)...CARBON	4.7	5%	1/2W	
R660 ⚠	1-216-431-11	METAL OXIDE	560	5%	1W	F
R700	1-249-438-11	CARBON	56K	5%	1/4W	
R701	1-249-431-11	CARBON	15K	5%	1/4W	
R702	1-249-437-11	CARBON	47K	5%	1/4W	
R703	1-249-417-11	CARBON	1K	5%	1/4W	
R704	1-249-424-11	CARBON	3.9K	5%	1/4W	
R705	1-249-417-11	CARBON	1K	5%	1/4W	
R706	1-249-437-11	CARBON	47K	5%	1/4W	
R707 ⚠	1-249-417-11	CARBON	1K	5%	1/4W	F
R708	1-249-437-11	CARBON	47K	5%	1/4W	
R709	1-249-435-11	CARBON	33K	5%	1/4W	

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Ref.No.	Part No.	Description				
R710 ⚠	1-247-700-11	CARBON	100	5%	1/4W	F
R711	1-249-433-11	CARBON	22K	5%	1/4W	
R712	1-214-789-00	METAL PLATE	0.1	10%	5W	
R713	1-247-688-11	CARBON	10	5%	1/4W	
R714	1-247-688-11	CARBON	10	5%	1/4W	
R715	1-249-427-11	CARBON	6.8K	5%	1/4W	
R716	1-249-441-11	CARBON	100K	5%	1/4W	
R717	1-249-429-11	CARBON	10K	5%	1/4W	
R718	1-249-438-11	CARBON	56K	5%	1/4W	
R719	1-249-433-11	CARBON	22K	5%	1/4W	
R720	1-249-433-11	CARBON	22K	5%	1/4W	
R721	1-249-438-11	CARBON	56K	5%	1/4W	
R722	1-249-429-11	CARBON	10K	5%	1/4W	
R723	1-249-429-11	CARBON	10K	5%	1/4W	
R724	1-249-429-11	CARBON	10K	5%	1/4W	
R725	1-249-429-11	CARBON	10K	5%	1/4W	
R726	1-249-429-11	CARBON	10K	5%	1/4W	
R727	1-249-429-11	CARBON	10K	5%	1/4W	
R728	1-249-407-11	(US,Canadian,E) ...CARBON	150	5%	1/4W	
R729	1-249-409-11	(US,Canadian,E) ...CARBON	220	5%	1/4W	
R750	1-249-482-11	(WG)...CARBON	4.7	5%	1/2W	
R801 ⚠	1-249-417-11	(US,Canadian,E) ...CARBON	1K	5%	1/4W	F
R802 ⚠	1-249-417-11	(US,Canadian,E) ...CARBON	1K	5%	1/4W	F
R803	1-249-417-11	CARBON	1K	5%	1/4W	
R804 ⚠	1-217-477-00	FUSIBLE	4.7	5%	1W	F
R805 ⚠	1-217-477-00	FUSIBLE	4.7	5%	1W	F
R806	1-249-409-11	CARBON	220	5%	1/4W	
R806A	1-249-417-11	CARBON	1K	5%	1/4W	
R807 ⚠	1-212-942-00	FUSIBLE	2.2	5%	1/2W	F
R807A	1-249-425-11	CARBON	4.7K	5%	1/4W	
R808 ⚠	1-212-942-00	FUSIBLE	2.2	5%	1/2W	F
R808A	1-249-408-11	CARBON	180	5%	1/4W	
R900	1-249-433-11	CARBON	22K	5%	1/4W	
R901	1-249-433-11	CARBON	22K	5%	1/4W	
R902	1-249-433-11	CARBON	22K	5%	1/4W	
R903	1-249-411-11	CARBON	330	5%	1/4W	
R904	1-249-410-11	(AEP,UK,WG) ...CARBON	270	5%	1/4W	
R904	1-249-412-11	(US,Canadian,E) ...CARBON	390	5%	1/4W	
R905	1-249-410-11	(AEP,UK,WG) ...CARBON	270	5%	1/4W	
R905	1-249-412-11	(US,Canadian,E) ...CARBON	390	5%	1/4W	
R906	1-249-433-11	CARBON	22K	5%	1/4W	
R907	1-249-433-11	CARBON	22K	5%	1/4W	
R908	1-249-433-11	CARBON	22K	5%	1/4W	
R909	1-249-433-11	CARBON	22K	5%	1/4W	
R910	1-249-433-11	CARBON	22K	5%	1/4W	
R911	1-249-433-11	CARBON	22K	5%	1/4W	
R912	1-249-433-11	CARBON	22K	5%	1/4W	
R913	1-249-433-11	CARBON	22K	5%	1/4W	
R914	1-247-903-00	CARBON	1M	5%	1/4W	
R915	1-249-425-11	(AEP,UK,WG) ...CARBON	4.7K	5%	1/4W	
R916	1-249-441-11	CARBON	100K	5%	1/4W	
R917	1-249-433-11	CARBON	22K	5%	1/4W	
R918	1-249-414-11	CARBON	560	5%	1/4W	

Ref.No.	Part No.	Description			
R919	1-249-429-11	CARBON	10K	5%	1/4W
R922	1-249-433-11	CARBON	22K	5%	1/4W
R925	1-249-433-11	CARBON	22K	5%	1/4W
R927	1-247-751-11	CARBON	820	5%	1/2W
R929	1-249-425-11	CARBON	4.7K	5%	1/4W
R933	1-249-425-11	CARBON	4.7K	5%	1/4W
R934	1-249-437-11	CARBON	47K	5%	1/4W
R935	1-249-437-11	CARBON	47K	5%	1/4W
R936	1-249-437-11	CARBON	47K	5%	1/4W
R937	1-249-437-11	CARBON	47K	5%	1/4W
R938	1-249-429-11	CARBON	10K	5%	1/4W
R939	1-249-429-11	CARBON	10K	5%	1/4W
R940	1-249-417-11	CARBON	1K	5%	1/4W
R941	1-249-429-11	CARBON	10K	5%	1/4W
R942	1-249-417-11	CARBON	1K	5%	1/4W
R943	1-249-393-11	CARBON	10	5%	1/4W
R943A	1-249-425-11	(US,Canadian,E) ...CARBON	4.7K	5%	1/4W
R944	1-247-751-11	CARBON	820	5%	1/2W
R945	1-247-751-11	CARBON	820	5%	1/2W
R946	1-249-425-11	CARBON	4.7K	5%	1/4W
R947	1-249-441-11	CARBON	100K	5%	1/4W
R949	1-249-433-11	CARBON	22K	5%	1/4W
RV300	1-238-190-11	RES, VAR, CARBON 250K(BALANCE)			
RV301	1-238-159-11	RES, VAR, CARBON (MOTOR)250KX3(VOLUME)			
RV302	1-238-156-11	RES, VAR, CARBON 250K/250K(BALANCE)			
RV303	1-237-881-11	RES, VAR, CARBON 100K/100K(BASS)			
RV304	1-237-881-11	RES, VAR, CARBON 100K/100K(TREBLE)			
RV500	1-228-989-00	RES, ADJ, CARBON 470			
RV600	1-228-989-00	RES, ADJ, CARBON 470			
RV700	1-238-158-11	RES, VAR, CARBON 100K(SURROUND LEVEL)			
RY700	1-515-356-00	(US,Canadian,E)...RELAY			
RY700	1-515-501-00	(AEP,UK,WG).....RELAY			
RY701	1-515-533-11	RELAY			
RY901	1-515-617-11	(E,AEP,UK,WG)...RELAY			
RY901	1-515-701-11	(US,Canadian)...RELAY			
S1 ⚠	1-571-515-11	(E)...SWITCH, POWER VOLTAGE SELECTION (VOLTAGE SELECTOR)			
S500	1-570-270-11	SWITCH, PUSH (2 KEY)(SPEAKERS)			
S900	1-554-303-21	SWITCH, KEY BOARD (VIDEO 1)			
S901	1-554-303-21	SWITCH, KEY BOARD (VIDEO 2)			
S902	1-554-303-21	SWITCH, KEY BOARD (VIDEO 3/CDV)			
S903	1-554-303-21	SWITCH, KEY BOARD (VIDEO 4)			
S904	1-554-303-21	SWITCH, KEY BOARD (TAPE/DAT)			
S905	1-554-303-21	SWITCH, KEY BOARD (CD)			
S906	1-554-303-21	SWITCH, KEY BOARD (TUNER)			
S907	1-554-303-21	SWITCH, KEY BOARD (PHONO)			
S908	1-571-436-11	SWITCH, KEY BOARD (SYSTEM POWER)			
S909	1-554-303-21	SWITCH, KEY BOARD (DBFB or MUTE)			
S910	1-554-303-21	SWITCH, KEY BOARD (SURROUND OFF)			
S911	1-554-303-21	SWITCH, KEY BOARD (DOLBY)			
S912	1-554-303-21	SWITCH, KEY BOARD (HALL)			
S913	1-554-303-21	SWITCH, KEY BOARD (SIMULATED)			

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Ref.No.	Part No.	Description
T1	⚠1-449-712-11	(US,Canadian)...TRANSFORMER, POWER
T1	⚠1-449-713-11	(E).....TRANSFORMER, POWER
T1	⚠1-449-714-11	(AEP,UK,WG).....TRANSFORMER, POWER
T2	⚠1-449-296-11	(US,Canadian)...TRANSFORMER, POWER
T2	⚠1-449-297-11	(AEP,UK,WG).....TRANSFORMER, POWER
T2	⚠1-449-299-11	(E).....TRANSFORMER, POWER
TM500	1-536-706-00	TERMINAL BOARD (SP)
TM700	1-537-156-11	TERMINAL BOARD (SPEAKER)
TP1	*1-560-063-00	PIN, CONNECTOR 5P
X900	1-567-254-11	OSCILLATOR, CERAMIC (2MHz)
X901	1-567-094-00	VIBRATOR, CERAMIC (3.58MHz)

ACCESSORY & PACKING MATERIAL (except for Canadian model)

1-465-144-11	REMOTE COMMANDER (RM-P202)
*3-704-350-01	SHEET (STANDARD), PROTECTION
3-750-301-11	(AEP,UK,E)....MANUAL, INSTRUCTION
3-750-301-21	(US).....MANUAL, INSTRUCTION
3-750-301-41	(AEP,WG).....MANUAL, INSTRUCTION
*4-921-346-01	CUSHION
*4-927-808-01	INDIVIDUAL CARTON

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9-953-748-11

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